# THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

# AIRD 01 SERIES



## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

## COMMON APPLICATIONS:

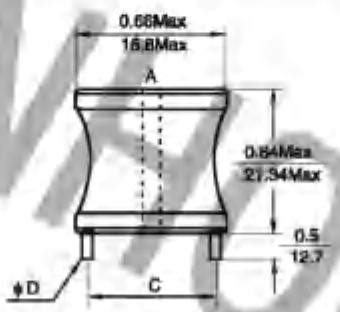
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1kHz | DCR (Ω Max) | IDC (A Max) | Dim(Inches/mm) C Approx. | Dim(Inches/mm) D Nom. |
|---|---|---|---|---|---|
| AIRD01-1R0M | 1.0 | 0.003 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-1R2M | 1.2 | 0.003 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-1R5M | 1.5 | 0.004 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-1R8M | 1.8 | 0.004 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-2R2M | 2.2 | 0.005 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-2R7M | 2.7 | 0.005 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-3R3M | 3.3 | 0.005 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-3R9M | 3.9 | 0.006 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-4R7M | 4.7 | 0.007 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-5R6M | 5.6 | 0.007 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-6R8M | 6.8 | 0.008 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-8R2M | 8.2 | 0.009 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-100K | 10 | 0.010 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-120K | 12 | 0.011 | 9 | 0.55/13.97 | 0.051/1.30 |
| AIRD01-150K | 15 | 0.015 | 7.2 | 0.53/13.46 | 0.045/1.14 |
| AIRD01-180K | 18 | 0.016 | 7.2 | 0.53/13.46 | 0.045/1.14 |
| AIRD01-220K | 22 | 0.020 | 5.5 | 0.53/13.46 | 0.045/1.14 |
| AIRD01-270K | 27 | 0.030 | 4.5 | 0.53/13.46 | 0.040/1.01 |
| AIRD01-330K | 33 | 0.040 | 4.0 | 0.53/13.46 | 0.040/1.01 |
| AIRD01-390K | 39 | 0.048 | 4.0 | 0.53/13.46 | 0.040/1.01 |
| AIRD01-470K | 47 | 0.062 | 2.8 | 0.53/13.46 | 0.036/0.91 |
| AIRD01-560K | 56 | 0.069 | 2.8 | 0.53/13.46 | 0.036/0.91 |
| AIRD01-680K | 68 | 0.077 | 2.8 | 0.50/12.70 | 0.032/0.81 |
| AIRD01-820K | 82 | 0.093 | 2.8 | 0.50/12.70 | 0.032/0.81 |
| AIRD01-101K | 100 | 0.095 | 2.8 | 0.50/12.70 | 0.032/0.81 |
| AIRD01-121K | 120 | 0.127 | 2.0 | 0.50/12.70 | 0.029/0.73 |
| AIRD01-151K | 150 | 0.161 | 1.6 | 0.50/12.70 | 0.029/0.73 |
| AIRD01-181K | 180 | 0.217 | 1.6 | 0.50/12.70 | 0.025/0.63 |
| AIRD01-221K | 220 | 0.240 | 1.6 | 0.50/12.70 | 0.025/0.63 |
| AIRD01-271K | 270 | 0.300 | 1.5 | 0.47/11.94 | 0.020/0.51 |
| AIRD01-331K | 330 | 0.336 | 1.3 | 0.47/11.94 | 0.020/0.51 |
| AIRD01-391K | 390 | 0.460 | 1.0 | 0.47/11.94 | 0.020/0.51 |
| AIRD01-471K | 470 | 0.636 | 0.8 | 0.47/11.94 | 0.020/0.51 |
| AIRD01-561K | 560 | 0.696 | 0.8 | 0.47/11.94 | 0.020/0.51 |

Note: 1. K=±10%, M=±20%

## PHYSICAL CHARACTERISTICS

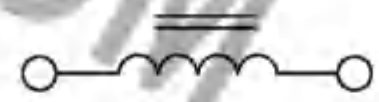






DIMENSIONS: INCHES / mm

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current: L value drop10%typ.at $I_{DC}$ against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leq \pm 10\%$ $\Delta Q/Q \leq \pm 25\%$

Note: All specifications subject to change without notice.

# THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

# AIRD 02 SERIES



## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

## COMMON APPLICATIONS:

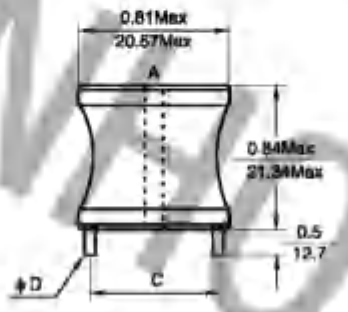
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim(Inches/mm) C Approx. | Dim(Inches/mm) D Nom. |
|---|---|---|---|---|---|
| AIRD02-1R0M | 1.0 | 0.003 | 11.4 | 0.63/16.00 | 0.072/1.83 |
| AIRD02-1R2M | 1.2 | 0.003 | 11.4 | 0.63/16.00 | 0.072/1.83 |
| AIRD02-1R5M | 1.5 | 0.003 | 11.4 | 0.63/16.00 | 0.072/1.83 |
| AIRD02-1R8M | 1.8 | 0.003 | 11.4 | 0.63/16.00 | 0.072/1.83 |
| AIRD02-2R2M | 2.2 | 0.004 | 11.4 | 0.63/16.00 | 0.072/1.83 |
| AIRD02-2R7M | 2.7 | 0.005 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-3R3M | 3.3 | 0.005 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-3R9M | 3.9 | 0.005 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-4R7M | 4.7 | 0.005 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-5R6M | 5.6 | 0.006 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-6R8M | 6.8 | 0.007 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-8R2M | 8.2 | 0.007 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-100K | 10 | 0.009 | 11.4 | 0.63/16.00 | 0.064/1.62 |
| AIRD02-120K | 12 | 0.008 | 11.4 | 0.63/16.00 | 0.057/1.45 |
| AIRD02-150K | 15 | 0.013 | 9.0 | 0.63/16.00 | 0.057/1.45 |
| AIRD02-180K | 18 | 0.016 | 7.2 | 0.63/16.00 | 0.051/1.30 |
| AIRD02-220K | 22 | 0.018 | 7.2 | 0.63/16.00 | 0.051/1.30 |
| AIRD02-270K | 27 | 0.026 | 5.5 | 0.63/16.00 | 0.051/1.30 |
| AIRD02-330K | 33 | 0.029 | 5.5 | 0.60/15.24 | 0.045/1.14 |
| AIRD02-390K | 39 | 0.030 | 5.5 | 0.60/15.24 | 0.045/1.14 |
| AIRD02-470K | 47 | 0.035 | 5.5 | 0.62/15.74 | 0.045/1.14 |
| AIRD02-560K | 56 | 0.039 | 5.5 | 0.62/15.74 | 0.040/1.01 |
| AIRD02-680K | 68 | 0.053 | 4.8 | 0.62/15.74 | 0.040/1.01 |
| AIRD02-820K | 82 | 0.060 | 4.8 | 0.62/15.74 | 0.040/1.01 |
| AIRD02-101K | 100 | 0.080 | 4.0 | 0.62/15.74 | 0.036/0.91 |
| AIRD02-121K | 120 | 0.090 | 4.0 | 0.62/15.74 | 0.036/0.91 |
| AIRD02-151K | 150 | 0.099 | 4.0 | 0.62/15.74 | 0.032/0.81 |
| AIRD02-181K | 180 | 0.110 | 4.0 | 0.62/15.74 | 0.032/0.81 |
| AIRD02-221K | 220 | 0.150 | 2.9 | 0.62/15.74 | 0.032/0.81 |
| AIRD02-271K | 270 | 0.213 | 2.0 | 0.60/15.24 | 0.029/0.73 |
| AIRD02-331K | 330 | 0.305 | 1.6 | 0.60/15.24 | 0.029/0.73 |
| AIRD02-391K | 390 | 0.329 | 1.5 | 0.60/15.24 | 0.025/0.64 |
| AIRD02-471K | 470 | 0.355 | 1.8 | 0.60/15.24 | 0.025/0.64 |
| AIRD02-561K | 560 | 0.358 | 1.8 | 0.60/15.24 | 0.025/0.64 |
| AIRD02-681K | 680 | 0.430 | 1.5 | 0.60/15.24 | 0.025/0.64 |
| AIRD02-821K | 820 | 0.590 | 1.3 | 0.60/15.24 | 0.023/0.58 |
| AIRD02-102K | 1000 | 0.818 | 1.0 | 0.60/15.24 | 0.020/0.51 |
| AIRD02-122K | 1200 | 1.14 | 0.8 | 0.60/15.24 | 0.020/0.51 |
| AIRD02-152K | 1500 | 1.25 | 0.6 | 0.60/15.24 | 0.020/0.51 |
| AIRD02-182K | 1800 | 1.39 | 0.5 | 0.60/15.24 | 0.018/0.46 |
| AIRD02-222K | 2200 | 1.54 | 0.5 | 0.60/15.24 | 0.018/0.46 |

Note:1) At rated IDC, ΔL/L ≤ ±10%, ΔT ≤ ±20%

## PHYSICAL CHARACTERISTICS

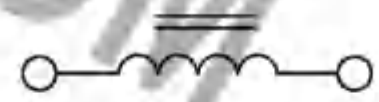






DIMENSIONS: INCHES / mm

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current: L value drop10%typ.at $I_{DC}$ against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: ΔL/L ≤ ±10% ΔQ/Q ≤ ±25%

Note: All specifications subject to change without notice.

# THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

# AIRD 03 SERIES



## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

## COMMON APPLICATIONS:

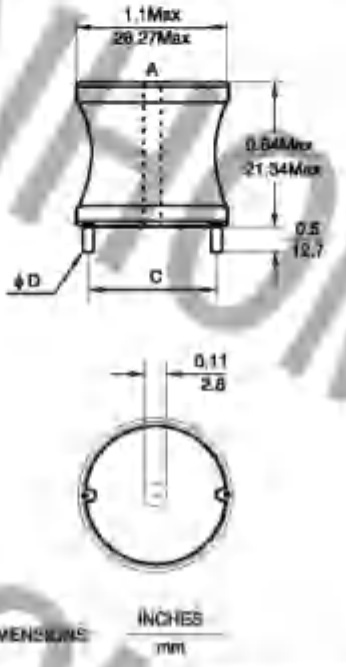
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim(Inches/mm) C Approx. | Dim(Inches/mm) D Nom. |
|---|---|---|---|---|---|
| AIRD03-1R0M | 1.0 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-1R2M | 1.2 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-1R5M | 1.5 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-1R8M | 1.8 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-2R2M | 2.2 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-2R7M | 2.7 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-3R3M | 3.3 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-3R9M | 3.9 | 0.004 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-4R7M | 4.7 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-5R6M | 5.6 | 0.003 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-6R8M | 6.8 | 0.004 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-8R2M | 8.2 | 0.004 | 21 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-100K | 10 | 0.006 | 17 | 0.80/20.32 | 0.081/2.05 |
| AIRD03-120K | 12 | 0.006 | 13.5 | 0.80/20.32 | 0.072/1.82 |
| AIRD03-150K | 15 | 0.009 | 13.5 | 0.80/20.32 | 0.072/1.82 |
| AIRD03-180K | 18 | 0.010 | 13.5 | 0.80/20.32 | 0.072/1.82 |
| AIRD03-220K | 22 | 0.011 | 13.5 | 0.79/20.06 | 0.064/1.62 |
| AIRD03-270K | 27 | 0.012 | 13.5 | 0.79/20.06 | 0.064/1.62 |
| AIRD03-330K | 33 | 0.017 | 13.5 | 0.79/20.06 | 0.064/1.62 |
| AIRD03-390K | 39 | 0.022 | 11.4 | 0.79/20.06 | 0.057/1.44 |
| AIRD03-470K | 47 | 0.024 | 9.0 | 0.79/20.06 | 0.057/1.44 |
| AIRD03-560K | 56 | 0.025 | 9.0 | 0.79/20.06 | 0.057/1.44 |
| AIRD03-680K | 68 | 0.029 | 9.0 | 0.79/20.06 | 0.057/1.44 |
| AIRD03-820K | 82 | 0.032 | 9.0 | 0.79/20.06 | 0.051/1.37 |
| AIRD03-101K | 100 | 0.034 | 9.0 | 0.79/20.06 | 0.051/1.37 |
| AIRD03-121K | 120 | 0.046 | 7.2 | 0.79/20.06 | 0.051/1.37 |
| AIRD03-151K | 150 | 0.064 | 5.5 | 0.77/19.56 | 0.045/1.14 |
| AIRD03-181K | 180 | 0.072 | 5.5 | 0.77/19.56 | 0.045/1.14 |
| AIRD03-221K | 220 | 0.080 | 5.5 | 0.77/19.56 | 0.040/1.01 |
| AIRD03-271K | 270 | 0.110 | 4.5 | 0.77/19.56 | 0.040/1.01 |
| AIRD03-331K | 330 | 0.122 | 4.5 | 0.77/19.56 | 0.040/1.01 |
| AIRD03-391K | 390 | 0.169 | 4.0 | 0.77/19.56 | 0.036/0.91 |
| AIRD03-471K | 470 | 0.187 | 4.0 | 0.77/19.56 | 0.036/0.91 |
| AIRD03-501K | 500 | 0.206 | 4.0 | 0.77/19.56 | 0.032/0.81 |
| AIRD03-561K | 560 | 0.256 | 2.8 | 0.77/19.56 | 0.032/0.81 |
| AIRD03-821K | 820 | 0.266 | 2.8 | 0.77/19.56 | 0.032/0.81 |
| AIRD03-102K | 1000 | 0.426 | 2.0 | 0.75/19.05 | 0.029/0.73 |
| AIRD03-122K | 1200 | 0.426 | 2.0 | 0.75/19.05 | 0.029/0.73 |
| AIRD03-152K | 1500 | 0.516 | 2.0 | 0.75/19.05 | 0.025/0.64 |
| AIRD03-182K | 1800 | 0.706 | 1.6 | 0.75/19.05 | 0.025/0.64 |
| AIRD03-222K | 2200 | 1.02 | 1.3 | 0.75/19.05 | 0.025/0.64 |
| AIRD03-272K | 2700 | 1.14 | 1.3 | 0.75/19.05 | 0.025/0.64 |
| AIRD03-332K | 3300 | 1.27 | 1.3 | 0.75/19.05 | 0.020/0.51 |
| AIRD03-392K | 3900 | 1.67 | 1.0 | 0.75/19.05 | 0.020/0.51 |
| AIRD03-472K | 4700 | 1.86 | 1.0 | 0.75/19.05 | 0.020/0.51 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS




## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current: L value drop10%typ.at $I_{DC}$against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leq \pm 10\%$ $\Delta Q/Q \leq \pm 25\%$

Note: All specifications subject to change without notice.

# THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

# AIRD 04 SERIES



## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

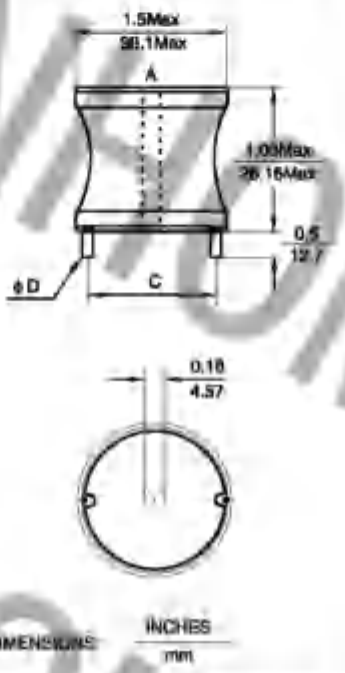
## COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

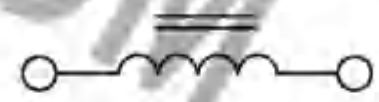
## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω)Max | IDC (A) Max | Dim(inches/mm) C Approx. | Dim(inches/mm) D Nom. |
|---|---|---|---|---|---|
| AIRD04-1R8M | 1.8 | 0.002 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-2R2M | 2.2 | 0.002 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-2R7M | 2.7 | 0.003 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-3R3M | 3.3 | 0.003 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-3R9M | 3.9 | 0.003 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-4R7M | 4.7 | 0.003 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-5R6M | 5.6 | 0.004 | 27 | 1.11/28.19 | 0.081/2.05 |
| AIRD04-6R8M | 6.8 | 0.004 | 27 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-8R2M | 8.2 | 0.004 | 27 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-100K | 10 | 0.005 | 27 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-120K | 12 | 0.005 | 27 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-150K | 15 | 0.006 | 27 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-180K | 18 | 0.008 | 27 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-220K | 22 | 0.009 | 21 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-270K | 27 | 0.010 | 21 | 1.15/29.21 | 0.081/2.05 |
| AIRD04-330K | 33 | 0.011 | 21 | 1.15/29.21 | 0.072/1.82 |
| AIRD04-390K | 39 | 0.012 | 21 | 1.15/29.21 | 0.072/1.82 |
| AIRD04-470K | 47 | 0.016 | 14.4 | 1.15/29.21 | 0.072/1.82 |
| AIRD04-560K | 56 | 0.019 | 14.4 | 1.15/29.21 | 0.064/1.62 |
| AIRD04-680K | 68 | 0.021 | 14.4 | 1.15/29.21 | 0.064/1.62 |
| AIRD04-820K | 82 | 0.023 | 14.4 | 1.15/29.21 | 0.064/1.62 |
| AIRD04-101K | 100 | 0.025 | 14.4 | 1.15/29.21 | 0.064/1.62 |
| AIRD04-121K | 120 | 0.028 | 14.4 | 1.15/29.21 | 0.057/1.44 |
| AIRD04-151K | 150 | 0.040 | 14.4 | 1.15/29.21 | 0.057/1.44 |
| AIRD04-181K | 180 | 0.045 | 14.4 | 1.15/29.21 | 0.057/1.44 |
| AIRD04-221K | 220 | 0.050 | 14.4 | 1.15/29.21 | 0.051/1.37 |
| AIRD04-271K | 270 | 0.056 | 14.4 | 1.15/29.21 | 0.051/1.37 |
| AIRD04-331K | 330 | 0.074 | 14.4 | 1.15/29.21 | 0.051/1.37 |
| AIRD04-391K | 390 | 0.082 | 9.0 | 1.15/29.21 | 0.045/1.14 |
| AIRD04-471K | 470 | 0.114 | 7.2 | 1.15/29.21 | 0.045/1.14 |
| AIRD04-561K | 560 | 0.125 | 7.2 | 1.15/29.21 | 0.040/1.01 |
| AIRD04-681K | 680 | 0.139 | 7.2 | 1.15/29.21 | 0.040/1.01 |
| AIRD04-821K | 820 | 0.154 | 7.2 | 1.15/29.21 | 0.040/1.01 |
| AIRD04-102K | 1000 | 0.218 | 5.5 | 1.15/29.21 | 0.040/1.01 |
| AIRD04-122K | 1200 | 0.232 | 5.5 | 1.14/28.95 | 0.036/0.91 |
| AIRD04-152K | 1500 | 0.321 | 4.5 | 1.14/28.96 | 0.036/0.91 |
| AIRD04-182K | 1800 | 0.360 | 4.5 | 1.14/28.95 | 0.036/0.91 |
| AIRD04-222K | 2200 | 0.494 | 4.0 | 1.10/27.94 | 0.036/0.91 |
| AIRD04-272K | 2700 | 0.555 | 4.0 | 1.12/28.44 | 0.032/0.81 |
| AIRD04-332K | 3300 | 0.773 | 2.8 | 1.10/27.94 | 0.029/0.73 |
| AIRD04-392K | 3900 | 0.845 | 2.8 | 1.10/27.94 | 0.029/0.73 |
| AIRD04-472K | 4700 | 1.14 | 2.0 | 1.12/28.44 | 0.029/0.73 |
| AIRD04-562K | 5600 | 1.50 | 2.0 | 1.09/27.68 | 0.025/0.64 |
| AIRD04-682K | 6800 | 1.76 | 1.8 | 1.12/28.44 | 0.025/0.64 |
| AIRD04-822K | 8200 | 1.95 | 1.8 | 1.09/27.68 | 0.023/0.58 |
| AIRD04-103K | 10000 | 2.76 | 1.3 | 1.11/28.19 | 0.023/0.58 |
| AIRD04-123K | 12000 | 3.04 | 1.3 | 1.08/27.43 | 0.020/0.51 |
| AIRD04-153K | 15000 | 3.99 | 1.3 | 1.10/27.94 | 0.020/0.51 |

## PHYSICAL CHARACTERISTICS




## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current: L value drop10%typ.at $I_{DC}$against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leq \pm 10\%$ $\Delta Q/Q \leq \pm 25\%$

Note:1. K=±10%,M=±20%

Note: All specifications subject to change without notice.



# RADIAL LEADED POWER LINE CHOKES

# AIRD 04A SERIES

## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

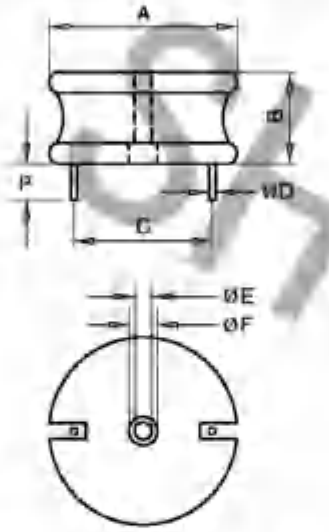
## OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

## COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

## PHYSICAL CHARACTERISTICS




**DIMENSIONS: inches/mm**

| A | B | P(min) | ØE | ØF |
|---|---|---|---|---|
| 1.60/40.64 | 0.69/17.27 | 0.50/12.70 | 0.25/6.25 | 0.29/7.366 |

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

The AIRD-03,05,07,09,04A,06A,08A Series of Power Line Chokes is available in 36 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing :HP4284A,HP4286A or equivalent
- RDC:QuadTech 1860 Milliohmmeter
- Rated Current: I, while drop10%typ at $I_{DC}$ against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Termina bending strength:24.5N Min
- Moisture resistance: ΔL/L< ±10%

**Note: All specifications subject to change without notice.**

## STANDARD SPECIFICATIONS

| Part Number | L (uHi @1KHz | DCR (Ω Max) | IDC (A Max) | Dim ØD (inches/mm) Approx | Dim ØD (inches/mm) Nom. |
|---|---|---|---|---|---|
| AIRD04A-2R2M | 2.2 | 0.0028 | 38.2 | 1.10/27.94 | 0.094/2.3876 |
| AIRD04A-3R9M | 3.9 | 0.0037 | 31.2 | 1.10/27.94 | 0.094/2.3876 |
| AIRD04A-4R7M | 4.7 | 0.0040 | 25.7 | 1.10/27.94 | 0.094/2.3876 |
| AIRD04A-6R8M | 6.8 | 0.0048 | 23.7 | 1.10/27.94 | 0.094/2.3876 |
| AIRD04A-8R2M | 8.2 | 0.0055 | 22.0 | 1.16/29.46 | 0.094/2.3876 |
| AIRD04A-100K | 10.0 | 0.0067 | 20.7 | 1.16/29.46 | 0.084/2.1336 |
| AIRD04A-150K | 15.0 | 0.0070 | 20.5 | 1.16/29.46 | 0.084/2.1336 |
| AIRD04A-180K | 18.0 | 0.0094 | 20.5 | 1.16/29.46 | 0.084/2.1336 |
| AIRD04A-220K | 22.0 | 0.0103 | 20.4 | 1.16/29.97 | 0.084/2.1336 |
| AIRD04A-270K | 27.0 | 0.0121 | 16.8 | 1.16/29.97 | 0.084/2.1336 |
| AIRD04A-330K | 33.0 | 0.0153 | 14.0 | 1.17/29.72 | 0.066/1.7272 |
| AIRD04A-390K | 39.0 | 0.0173 | 13.6 | 1.17/29.72 | 0.066/1.7272 |
| AIRD04A-470K | 47.0 | 0.0196 | 12.8 | 1.17/29.72 | 0.066/1.7272 |
| AIRD04A-560K | 56.0 | 0.0208 | 12.4 | 1.16/29.97 | 0.066/1.7272 |
| AIRD04A-680K | 68.0 | 0.0292 | 10.7 | 1.17/29.72 | 0.060/1.5240 |
| AIRD04A-820K | 82.0 | 0.0319 | 10.2 | 1.16/29.97 | 0.060/1.5240 |
| AIRD04A-101K | 100.0 | 0.0348 | 9.8 | 1.16/29.97 | 0.060/1.5240 |
| AIRD04A-121K | 120.0 | 0.0480 | 8.3 | 1.16/29.97 | 0.048/1.2192 |
| AIRD04A-151K | 150 | 0.0530 | 7.90 | 1.16/29.97 | 0.048/1.219 |
| AIRD04A-181K | 180 | 0.0713 | 6.40 | 1.16/29.97 | 0.048/1.219 |
| AIRD04A-221K | 220 | 0.0833 | 6.00 | 1.19/30.23 | 0.043/1.092 |
| AIRD04A-271K | 270 | 0.0940 | 5.70 | 1.19/30.23 | 0.043/1.092 |
| AIRD04A-331K | 330 | 0.1270 | 4.80 | 1.12/28.48 | 0.039/0.991 |
| AIRD04A-391K | 390 | 0.1360 | 4.60 | 1.12/28.48 | 0.039/0.991 |
| AIRD04A-471K | 470 | 0.1640 | 4.10 | 1.12/28.48 | 0.039/0.991 |
| AIRD04A-561K | 560 | 0.2030 | 3.90 | 1.12/28.48 | 0.033/0.838 |
| AIRD04A-681K | 680 | 0.2790 | 3.20 | 1.12/28.48 | 0.033/0.838 |
| AIRD04A-821K | 820 | 0.3140 | 3.10 | 1.12/28.46 | 0.033/0.838 |
| AIRD04A-102K | 1000 | 0.3480 | 2.90 | 1.14/28.96 | 0.031/0.787 |
| AIRD04A-122K | 1200 | 0.4240 | 2.40 | 1.15/29.21 | 0.031/0.787 |
| AIRD04A-152K | 1500 | 0.5480 | 2.30 | 1.14/28.96 | 0.031/0.787 |
| AIRD04A-182K | 1800 | 0.7320 | 1.95 | 1.14/28.96 | 0.028/0.711 |
| AIRD04A-222K | 2200 | 0.8090 | 1.80 | 1.12/28.45 | 0.028/0.711 |
| AIRD04A-272K | 2700 | 1.1200 | 1.53 | 1.13/28.70 | 0.025/0.635 |
| AIRD04A-332K | 3300 | 1.8200 | 1.48 | 1.13/28.70 | 0.025/0.635 |
| AIRD04A-392K | 3900 | 1.3800 | 1.40 | 1.13/28.70 | 0.025/0.635 |

Note: K= ±10%,M= ±20%



# RADIAL LEADED POWER LINE CHOKES

# AIRD 05 SERIES

## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

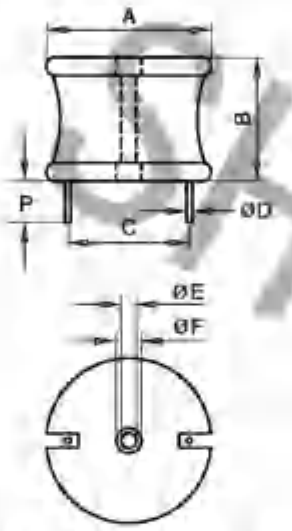
## OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

## COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

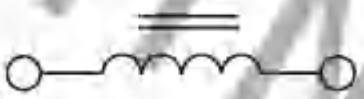
## PHYSICAL CHARACTERISTICS




**DIMENSIONS: Inches/mm**

| A | B | P(min) | ØE | ØF |
|---|---|---|---|---|
| 1.60/40.64 | 1.45/36.83 | 0.50/12.7 | 0.10/2.54 | 0.25/6.35 |

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

The AIRD-05,06,07,08 Series of Power Line Choke is available in 287 standard values covering a wide rang of inductance and current. The use of high saturation flux density material made these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: J-P4284A/HP4338A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current: L value drop10%typ.of Io against its initial value
- Temperature rise:40℃Max Temperature ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave Reflow
- Operating Temperature: 25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: ΔL/L≤ ±10%

**Note: All specifications subject to change without notice.**

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim D (Inches/mm) Approx. | Dim ØD (Inches/mm) Nom. |
|---|---|---|---|---|---|
| AIRD05-1R8M | 1.8 | 0.002 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-2R2M | 2.2 | 0.002 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-2R7M | 2.7 | 0.002 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-3R3M | 3.3 | 0.002 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-3R9M | 3.9 | 0.003 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-4R7M | 4.7 | 0.003 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-5R6M | 5.6 | 0.003 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-6R8M | 6.8 | 0.003 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-8R2M | 8.2 | 0.003 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-100K | 10.0 | 0.004 | 35.0 | 1.11/28.194 | 0.105/2.667 |
| AIRD05-120K | 12.0 | 0.004 | 35.0 | 1.16/29.464 | 0.105/2.667 |
| AIRD05-150K | 15.0 | 0.005 | 35.0 | 1.16/29.464 | 0.105/2.667 |
| AIRD05-180K | 18.0 | 0.007 | 27.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-220K | 22.0 | 0.007 | 27.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-270K | 27.0 | 0.008 | 27.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-330K | 33.0 | 0.009 | 27.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-390K | 39.0 | 0.010 | 27.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-470K | 47.0 | 0.011 | 27.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-560K | 56.0 | 0.013 | 21.0 | 1.16/29.464 | 0.094/2.3876 |
| AIRD05-680K | 68.0 | 0.015 | 21.0 | 1.25/31.750 | 0.84/2.1336 |
| AIRD05-820K | 82.0 | 0.017 | 21.0 | 1.25/31.750 | 0.84/2.1336 |
| AIRD05-101K | 100.0 | 0.019 | 21.0 | 1.25/31.750 | 0.84/2.1336 |
| AIRD05-121K | 120.0 | 0.022 | 17.0 | 1.16/29.464 | 0.075/1.9152 |
| AIRD05-151K | 150.0 | 0.025 | 17.0 | 1.16/29.464 | 0.075/1.9152 |
| AIRD05-181K | 180.0 | 0.035 | 13.5 | 1.10/27.94 | 0.068/1.7272 |
| AIRD05-221K | 220.0 | 0.040 | 13.5 | 1.10/27.94 | 0.068/1.7272 |
| AIRD05-271K | 270.0 | 0.044 | 13.5 | 1.10/27.94 | 0.068/1.7272 |
| AIRD05-331K | 330.0 | 0.049 | 13.5 | 1.11/28.194 | 0.068/1.7272 |
| AIRD05-390K | 390.0 | 0.070 | 11.4 | 1.15/29.21 | 0.060/1.524 |
| AIRD05-471K | 470.0 | 0.078 | 11.4 | 1.07/27.178 | 0.060/1.524 |
| AIRD05-561K | 560.0 | 0.105 | 9.0 | 1.07/27.178 | 0.054/1.3716 |
| AIRD05-681K | 680.0 | 0.119 | 9.0 | 1.07/27.178 | 0.054/1.3716 |
| AIRD05-820K | 820.0 | 0.127 | 9.0 | 1.12/28.448 | 0.054/1.3716 |
| AIRD05-102K | 1000.0 | 0.176 | 7.2 | 1.12/28.448 | 0.048/1.2192 |
| AIRD05-122K | 1200.0 | 0.193 | 7.2 | 1.12/28.448 | 0.048/1.2192 |
| AIRD05-152K | 1500.0 | 0.274 | 5.5 | 1.13/28.448 | 0.043/1.0922 |
| AIRD05-182K | 1800.0 | 0.302 | 5.5 | 1.13/28.702 | 0.043/1.0922 |
| AIRD05-222K | 2200.0 | 0.386 | 5.5 | 1.16/29.464 | 0.043/1.0922 |
| AIRD05-272K | 2700.0 | 0.456 | 4.5 | 1.02/25.908 | 0.039/0.9906 |
| AIRD05-332K | 3300.0 | 0.547 | 4.0 | 1.03/25.908 | 0.035/0.8890 |
| AIRD05-392K | 3900.0 | 0.648 | 4.0 | 1.14/28.956 | 0.035/0.8890 |
| AIRD05-472K | 4700.0 | 0.776 | 4.0 | 1.14/28.956 | 0.035/0.8890 |
| AIRD05-562K | 5600.0 | 0.843 | 4.0 | 1.14/28.956 | 0.035/0.8890 |
| AIRD05-682K | 6800.0 | 1.15 | 2.8 | 1.06/26.924 | 0.031/0.7874 |
| AIRD05-822K | 8200.0 | 1.36 | 2.8 | 1.16/29.464 | 0.031/0.7874 |
| AIRD05-103K | 10000.0 | 1.74 | 2.0 | 1.16/29.702 | 0.028/0.7112 |
| AIRD05-123K | 12000.0 | 1.92 | 2.0 | 1.16/29.702 | 0.028/0.7112 |
| AIRD05-153K | 15000.0 | 2.17 | 2.0 | 1.16/29.702 | 0.028/0.7112 |

Note: K= ±10% M= ±20%

## RADIAL LEADED POWER LINE CHOKES

# AIRD 06 SERIES



## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

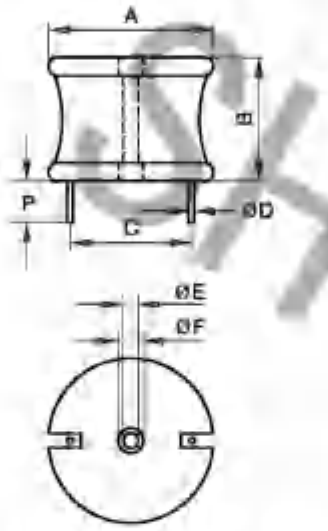
## OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs) Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

## COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

## PHYSICAL CHARACTERISTICS




**DIMENSIONS: Inches/mm**

| A | B | P(min) | ØE | ØF |
|---|---|---|---|---|
| 2.00/50.80 | 1.50/38.10 | 0.50/12.70 | 0.10/2.54 | 0.25/6.35 |

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

The AIRD-05,06,07,08 Series of Power Line Chokes is available in 287 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: (HP4284A,HP4285A or equivalent)
- RDC:QuadTech 1865 Milliohmmeter
- Rated Current: L value drop10%typ.at Ir against Io =Isat value
- Temperature rise:40℃Max. Reference ambient temperature
- Solderability: 75% of lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: ΔL/L=< ± 10%

**Note: All specifications subject to change without notice.**

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim C (Inches/mm) Approx. | Dim ØB (Inches/mm) Nom. |
|---|---|---|---|---|---|
| AIRD06-4R7M | 4.7 | 0.002 | 35.0 | 1.40/35.56 | 0.105/2.667 |
| AIRD06-5R6M | 5.6 | 0.002 | 35.0 | 1.40/35.56 | 0.105/2.667 |
| AIRD06-6R8M | 6.8 | 0.003 | 35.0 | 1.40/35.56 | 0.105/2.667 |
| AIRD06-8R2M | 8.2 | 0.003 | 35.0 | 1.40/35.56 | 0.105/2.667 |
| AIRD06-100K | 10.0 | 0.003 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-120K | 12.0 | 0.004 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-150K | 15.0 | 0.004 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-180K | 18.0 | 0.005 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-220K | 22.0 | 0.006 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-270K | 27.0 | 0.006 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-330K | 33.0 | 0.008 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-390K | 39.0 | 0.008 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-470K | 47.0 | 0.008 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-560K | 56.0 | 0.009 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-680K | 68.0 | 0.009 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-820K | 82.0 | 0.010 | 35.0 | 1.48/37.592 | 0.105/2.667 |
| AIRD06-101K | 100.0 | 0.014 | 27.0 | 1.53/38.862 | 0.094/2.3876 |
| AIRD06-121K | 120.0 | 0.015 | 27.0 | 1.53/38.862 | 0.094/2.3876 |
| AIRD06-151K | 150.0 | 0.023 | 21.0 | 1.48/37.846 | 0.084/2.1336 |
| AIRD06-181K | 180.0 | 0.025 | 21.0 | 1.48/37.846 | 0.084/2.1336 |
| AIRD06-221K | 220.0 | 0.029 | 21.0 | 1.48/37.846 | 0.084/2.1336 |
| AIRD06-271K | 270.0 | 0.030 | 21.0 | 1.48/37.846 | 0.084/2.1336 |
| AIRD06-331K | 330.0 | 0.040 | 17.0 | 1.31/33.274 | 0.075/1.905 |
| AIRD06-391K | 390.0 | 0.055 | 13.5 | 1.31/33.274 | 0.068/1.7272 |
| AIRD06-471K | 470.0 | 0.061 | 13.5 | 1.31/33.274 | 0.068/1.7272 |
| AIRD06-561K | 560.0 | 0.068 | 13.5 | 1.40/35.560 | 0.068/1.7272 |
| AIRD06-681K | 680.0 | 0.094 | 11.4 | 1.42/36.068 | 0.060/1.524 |
| AIRD06-821K | 820.0 | 0.104 | 11.4 | 1.42/36.068 | 0.060/1.524 |
| AIRD06-102K | 1000.0 | 0.145 | 9.0 | 1.36/34.544 | 0.054/1.3716 |
| AIRD06-122K | 1200.0 | 0.156 | 9.0 | 1.36/34.544 | 0.054/1.3716 |
| AIRD06-152K | 1500.0 | 0.219 | 7.2 | 1.31/33.274 | 0.048/1.2192 |
| AIRD06-182K | 1800.0 | 0.241 | 7.2 | 1.31/33.274 | 0.048/1.2192 |
| AIRD06-222K | 2200.0 | 0.270 | 7.2 | 1.40/35.560 | 0.048/1.2192 |
| AIRD06-272K | 2700.0 | 0.384 | 5.5 | 1.36/34.544 | 0.043/1.0922 |
| AIRD06-332K | 3300.0 | 0.468 | 4.5 | 1.24/31.496 | 0.039/0.9906 |
| AIRD06-392K | 3900.0 | 0.540 | 4.5 | 1.32/33.528 | 0.039/0.9906 |
| AIRD06-472K | 4700.0 | 0.608 | 4.5 | 1.32/33.528 | 0.039/0.9906 |
| AIRD06-562K | 5600.0 | 0.671 | 4.5 | 1.36/34.544 | 0.039/0.9906 |
| AIRD06-682K | 6800.0 | 0.750 | 4.5 | 1.40/35.560 | 0.039/0.9906 |
| AIRD06-822K | 8200.0 | 1.000 | 4.0 | 1.45/36.830 | 0.035/0.8890 |
| AIRD06-103K | 10000.0 | 1.160 | 4.0 | 1.45/36.830 | 0.035/0.8890 |
| AIRD06-123K | 12000.0 | 1.540 | 2.8 | 1.40/35.560 | 0.031/0.7874 |
| AIRD06-153K | 15000.0 | 1.750 | 2.8 | 1.40/35.560 | 0.031/0.7112 |
| AIRD06-183K | 18000.0 | 1.940 | 2.8 | 1.45/36.830 | 0.028/0.7112 |
| AIRD06-223K | 22000.0 | 2.740 | 2.0 | 1.37/34.798 | 0.028/0.7112 |
| AIRD06-273K | 27000.0 | 3.710 | 1.7 | 1.37/34.798 | 0.025/0.6350 |
| AIRD06-333K | 33000.0 | 4.180 | 1.7 | 1.37/34.798 | 0.025/0.6350 |
| AIRD06-393K | 39000.0 | 5.580 | 1.4 | 1.35/34.290 | 0.025/0.6350 |
| AIRD06-473K | 47000.0 | 6.190 | 1.4 | 1.35/34.290 | 0.022/0.5588 |

Note: K=±10%,M=±20%



SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840

# RADIAL LEADED POWER LINE CHOKES

# AIRD 06A SERIES



## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

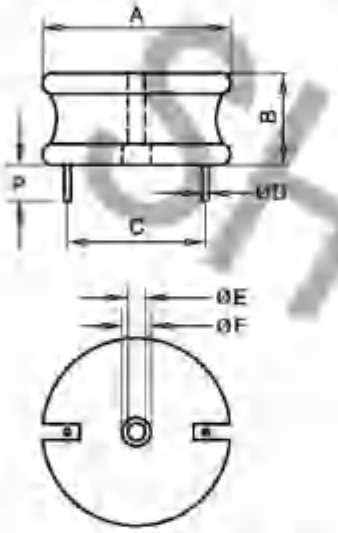
## OPTIONS:

- Packaging: Tape & Reel is Standard (Qty. 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

## COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

## PHYSICAL CHARACTERISTICS




**DIMENSIONS: Inches/mm**

| A | B | P(min) | ØE | ØF |
|---|---|---|---|---|
| 2.00/50.80 | 0.74/18.80 | 0.50/12.70 | 0.25/6.35 | 0.375/9.525 |

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

The AIRD-05,06,07,08,04A,05A,08A Series of Power Line Choke is available in 387 standard values covering a wide rang of inductance and current. That use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4275A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current: I value drop10%typ.at I dc against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave Reflow
- Operating Temperature: -35℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:0.5A 5N Min
- Moisture resistance: ΔL/L = ± 10%

**Note: All specifications subject to change without notice.**

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim C (Inches/mm) Approx. | Dim ØD (Inches/mm) Nom. |
|---|---|---|---|---|---|
| AIRD06A-2R2M | 2.2 | 0.0021 | 34.7 | 1.21/30.73 | 0.105/2.667 |
| AIRD06A-3R3M | 3.3 | 0.0028 | 31.7 | 1.29/32.77 | 0.105/2.667 |
| AIRD06A-5R6M | 5.6 | 0.0036 | 31.0 | 1.29/32.77 | 0.105/2.667 |
| AIRD06A-8R2M | 8.2 | 0.0041 | 30.4 | 1.29/32.77 | 0.105/2.667 |
| AIRD06A-120K | 12.0 | 0.0047 | 29.6 | 1.37/34.80 | 0.105/2.667 |
| AIRD06A-150K | 15.0 | 0.0055 | 27.5 | 1.39/35.31 | 0.094/2.388 |
| AIRD06A-180K | 18.0 | 0.0062 | 25.8 | 1.37/34.80 | 0.094/2.388 |
| AIRD06A-220K | 22.0 | 0.0068 | 24.5 | 1.37/34.80 | 0.094/2.388 |
| AIRD06A-270K | 27.0 | 0.0077 | 23.3 | 1.37/34.80 | 0.094/2.388 |
| AIRD06A-330K | 33.0 | 0.0081 | 22.3 | 1.37/34.80 | 0.094/2.388 |
| AIRD06A-390K | 39.0 | 0.0112 | 18.4 | 1.17/29.72 | 0.084/2.134 |
| AIRD06A-470K | 47.0 | 0.0119 | 18.0 | 1.17/29.72 | 0.084/2.134 |
| AIRD06A-560K | 56.0 | 0.0142 | 17.5 | 1.44/36.58 | 0.075/1.915 |
| AIRD06A-680K | 68.0 | 0.0160 | 15.6 | 1.44/36.58 | 0.075/1.915 |
| AIRD06A-820K | 82.0 | 0.0202 | 14.8 | 1.43/36.32 | 0.075/1.915 |
| AIRD06A-101K | 100.0 | 0.0225 | 14.0 | 1.43/36.32 | 0.075/1.915 |
| AIRD06A-121K | 120.0 | 0.0324 | 11.7 | 1.44/36.59 | 0.060/1.524 |
| AIRD06A-151K | 150.0 | 0.0368 | 11.0 | 1.44/36.58 | 0.060/1.524 |
| AIRD06A-181K | 180.0 | 0.0468 | 9.5 | 1.44/36.58 | 0.054/1.372 |
| AIRD06A-221K | 220.0 | 0.0520 | 9.0 | 1.44/36.58 | 0.054/1.372 |
| AIRD06A-271K | 270 | 0.0587 | 8.50 | 1.46/37.08 | 0.054/1.372 |
| AIRD06A-331K | 330 | 0.0780 | 7.80 | 1.46/37.08 | 0.054/1.372 |
| AIRD06A-391K | 390 | 0.0844 | 7.50 | 1.45/36.83 | 0.048/1.219 |
| AIRD06A-471K | 470 | 0.1200 | 6.50 | 1.43/36.32 | 0.048/1.219 |
| AIRD06A-561K | 560 | 0.1310 | 6.20 | 1.44/36.58 | 0.048/1.219 |
| AIRD06A-681K | 680 | 0.1480 | 5.00 | 1.46/37.08 | 0.048/1.219 |
| AIRD06A-821K | 820 | 0.1870 | 4.90 | 1.45/36.83 | 0.043/1.092 |
| AIRD06A-102K | 1000 | 0.2060 | 4.70 | 1.45/36.83 | 0.043/1.092 |
| AIRD06A-122K | 1200 | 0.3010 | 3.85 | 1.45/36.83 | 0.035/0.889 |
| AIRD06A-152K | 1500 | 0.3530 | 3.74 | 1.46/37.08 | 0.035/0.889 |
| AIRD06A-182K | 1800 | 0.3830 | 3.43 | 1.46/37.08 | 0.035/0.889 |
| AIRD06A-222K | 2200 | 0.5480 | 2.90 | 1.45/36.83 | 0.031/0.787 |
| AIRD06A-272K | 2700 | 0.7930 | 2.28 | 1.46/37.08 | 0.031/0.787 |
| AIRD06A-332K | 3300 | 0.6743 | 2.15 | 1.45/36.83 | 0.031/0.787 |
| AIRD06A-392K | 3900 | 0.9480 | 2.08 | 1.40/37.08 | 0.031/0.787 |
| AIRD06A-472K | 4700 | 1.0400 | 2.00 | 1.46/37.08 | 0.029/0.711 |
| AIRD06A-562K | 5600 | 1.4000 | 1.88 | 1.46/37.08 | 0.029/0.711 |
| AIRD06A-682K | 6800 | 1.8400 | 1.80 | 1.46/37.08 | 0.029/0.711 |
| AIRD06A-822K | 8200 | 2.3800 | 1.50 | 1.47/37.34 | 0.029/0.711 |
| AIRD06A-103K | 10000 | 2.7500 | 1.40 | 1.47/37.34 | 0.029/0.711 |

Note: K=±10%,M=±20%



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## RADIAL LEADED POWER LINE CHOKES

# AIRD 07A SERIES

## FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

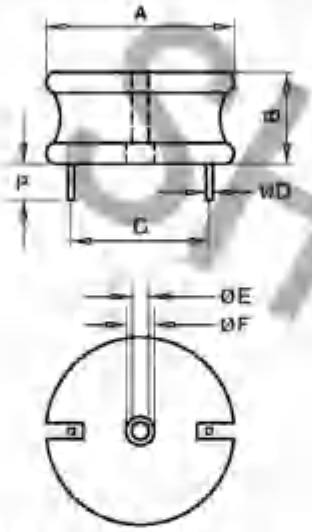
## OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

## COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

## PHYSICAL CHARACTERISTICS




**DIMENSIONS: inches/mm**

| A | B | P(min) | ØE | ØF |
|---|---|---|---|---|
| 0.40(10.16) | 0.74/18.80 | 0.50/12.70 | 0.25/6.35 | 0.45/11.75 |

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

The AIRD-05,06,07,08,04A,06A,08A Series of Power Line Chokes is available in 387 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current chokes values in a small physical size are needed.

- Inductance Testing :HP4284A,HP4294A or equivalent
- RDC:CustTech 1860 Milliohmmeter
- Rated Current: I, while drop10%typ at $I_{sat}$ against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N MIN
- Moisture resistance:ΔL/L< ± 10%

**Note: All specifications subject to change without notice.**

## STANDARD SPECIFICATIONS

| Part Number | L (uHi) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim C (inches/mm) Approx. | Dim (ID (inches/mm) Nom. |
|---|---|---|---|---|---|
| AIRD07A-1R0M | 1.0 | 0.0018 | 44.0 | 1.52/38.61 | 0.120/3.048 |
| AIRD07A-2R2M | 2.2 | 0.0024 | 40.0 | 1.52/38.61 | 0.120/3.048 |
| AIRD07A-4R7M | 4.7 | 0.0030 | 36.0 | 1.60/40.64 | 0.109/2.769 |
| AIRD07A-6R2M | 6.2 | 0.0042 | 32.0 | 1.29/32.77 | 0.109/2.769 |
| AIRD07A-120K | 12.0 | 0.0053 | 30.0 | 1.64/41.66 | 0.109/2.769 |
| AIRD07A-150K | 15.0 | 0.0060 | 28.0 | 1.69/42.93 | 0.094/2.388 |
| AIRD07A-180K | 18.0 | 0.0067 | 27.0 | 1.77/44.96 | 0.094/2.388 |
| AIRD07A-220K | 22.0 | 0.0076 | 26.0 | 1.77/44.96 | 0.094/2.388 |
| AIRD07A-270K | 27.0 | 0.0085 | 24.0 | 1.77/44.96 | 0.094/2.388 |
| AIRD07A-330K | 33.0 | 0.0094 | 23.0 | 1.86/47.24 | 0.094/2.388 |
| AIRD07A-390K | 39.0 | 0.0130 | 20.0 | 1.86/47.24 | 0.084/2.134 |
| AIRD07A-470K | 47.0 | 0.0150 | 19.0 | 1.78/45.21 | 0.084/2.134 |
| AIRD07A-560K | 56.0 | 0.0160 | 18.0 | 1.86/47.75 | 0.084/2.134 |
| AIRD07A-680K | 68.0 | 0.0210 | 16.0 | 1.86/47.75 | 0.084/2.134 |
| AIRD07A-820K | 82.0 | 0.0240 | 14.0 | 1.82/46.23 | 0.084/2.134 |
| AIRD07A-101K | 100.0 | 0.0310 | 13.0 | 1.77/44.96 | 0.068/1.727 |
| AIRD07A-121K | 120.0 | 0.0350 | 12.0 | 1.87/47.50 | 0.068/1.727 |
| AIRD07A-151K | 150.0 | 0.0450 | 11.0 | 1.77/44.96 | 0.068/1.727 |
| AIRD07A-181K | 180.0 | 0.0550 | 9.5 | 1.83/46.48 | 0.054/1.372 |
| AIRD07A-221K | 220 | 0.076 | 8.0 | 1.75/44.45 | 0.054/1.372 |
| AIRD07A-271K | 270 | 0.084 | 8.0 | 1.80/45.72 | 0.054/1.372 |
| AIRD07A-331K | 330 | 0.093 | 7.5 | 1.80/45.72 | 0.048/1.219 |
| AIRD07A-391K | 390 | 0.127 | 6.5 | 1.80/45.72 | 0.048/1.219 |
| AIRD07A-471K | 470 | 0.138 | 6.0 | 1.80/45.72 | 0.048/1.219 |
| AIRD07A-561K | 560 | 0.192 | 5.0 | 1.80/45.75 | 0.043/1.092 |
| AIRD07A-681K | 680 | 0.210 | 5.0 | 1.76/44.70 | 0.043/1.092 |
| AIRD07A-821K | 820 | 0.287 | 4.0 | 1.69/42.93 | 0.039/0.991 |
| AIRD07A-102K | 1000 | 0.320 | 4.0 | 1.72/43.69 | 0.039/0.991 |
| AIRD07A-122K | 1200 | 0.349 | 3.8 | 1.76/44.70 | 0.039/0.991 |
| AIRD07A-152K | 1500 | 0.452 | 3.2 | 1.72/43.69 | 0.039/0.991 |
| AIRD07A-182K | 1800 | 0.544 | 3.0 | 1.76/44.45 | 0.031/0.787 |
| AIRD07A-222K | 2200 | 0.681 | 2.2 | 1.71/43.42 | 0.031/0.787 |
| AIRD07A-272K | 2700 | 0.764 | 2.2 | 1.77/44.96 | 0.031/0.787 |
| AIRD07A-332K | 3300 | 1.027 | 1.98 | 1.71/43.43 | 0.028/0.711 |
| AIRD07A-392K | 3900 | 1.113 | 1.90 | 1.70/43.18 | 0.028/0.711 |
| AIRD07A-472K | 4700 | 1.565 | 1.55 | 1.72/43.69 | 0.025/0.635 |
| AIRD07A-562K | 5600 | 1.700 | 1.56 | 1.72/43.69 | 0.025/0.635 |
| AIRD07A-682K | 6800 | 1.654 | 1.30 | 1.48/37.68 | 0.025/0.635 |

Note: K=±10%,M=±20%

## RADIAL LEADED POWER LINE CHOKES

# AIRD 08 SERIES



### FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

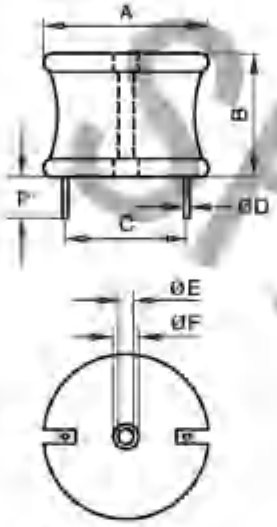
### OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

### COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

## PHYSICAL CHARACTERISTICS




**DIMENSIONS: Inches/mm**

| A | B | C(mm) | ØE | ØF |
|---|---|---|---|---|
| 2.40/60.96 | 2.60/63.50 | 0.50/12.70 | 0.10/2.54 | 0.25/6.35 |

## ELECTRONICAL SCHEMATIC



## TECHNICAL INFORMATION:

The AIRD-05,06,07,08 Series of Power Line Chokes is available in 287 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:Quad1ohm 1660 Milliohmeter
- Rated Current: I: value drop10%typ.at Iwagainst its initial value
- Temperature rise:40°CMax Referenceambient temperature
- Resistability: 70% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25°C to +85°C
- Storage Temperature: -55°C to +125°C
- Terminal pending strength:4.5N Min.
- Measure resistance:ΔL/L≤ ± 10%

**Note: All specifications subject to change without notice.**

## STANDARD SPECIFICATIONS

| Part Number | L (μH) @1KHz | DCR (Ω Max) | IDC (A Max) | Dim C Inches/mm Approx. | Dim ØB Inches/mm Nom. |
|---|---|---|---|---|---|
| AIRD08-5R6M | 5.6 | 0.0012 | 55.0 | * | 0.225/5.7150 |
| AIRD08-6R8M | 6.8 | 0.0013 | 55.0 | * | 0.225/5.7150 |
| AIRD08-8R2M | 8.2 | 0.0015 | 55.0 | * | 0.225/5.7150 |
| AIRD08-100K | 10.0 | 0.0017 | 55.0 | * | 0.225/5.7150 |
| AIRD08-120K | 12.0 | 0.0020 | 55.0 | * | 0.225/5.7150 |
| AIRD08-150K | 15.0 | 0.0021 | 55.0 | * | 0.225/5.7150 |
| AIRD08-180K | 18.0 | 0.0023 | 55.0 | * | 0.225/5.7150 |
| AIRD08-220K | 22.0 | 0.0025 | 55.0 | * | 0.225/5.7150 |
| AIRD08-270K | 27.0 | 0.0026 | 55.0 | * | 0.225/5.7150 |
| AIRD08-330K | 33.0 | 0.0029 | 55.0 | * | 0.225/5.7150 |
| AIRD08-390K | 39.0 | 0.0033 | 55.0 | * | 0.225/5.7150 |
| AIRD08-470K | 47.0 | 0.0036 | 55.0 | * | 0.225/5.7150 |
| AIRD08-560K | 56.0 | 0.0039 | 55.0 | * | 0.225/5.7150 |
| AIRD08-680K | 68.0 | 0.0043 | 55.0 | * | 0.225/5.7150 |
| AIRD08-820K | 82.0 | 0.0046 | 48.0 | * | 0.210/5.3340 |
| AIRD08-101K | 100.0 | 0.0052 | 42.0 | * | 0.210/5.3340 |
| AIRD08-121K | 120.0 | 0.0071 | 38.0 | * | 0.210/5.3340 |
| AIRD08-151K | 150.0 | 0.0079 | 34.0 | * | 0.210/5.3340 |
| AIRD08-181K | 180.0 | 0.0087 | 37.0 | * | 0.210/5.3340 |
| AIRD08-221K | 220.0 | 0.0120 | 30.0 | * | 0.190/4.8260 |
| AIRD08-271K | 270.0 | 0.0140 | 30.0 | * | 0.190/4.8260 |
| AIRD08-331K | 330.0 | 0.0150 | 27.0 | 1.80/45.72 | 0.120/3.0480 |
| AIRD08-390K | 390.0 | 0.0200 | 25.0 | 1.70/43.18 | 0.120/3.0480 |
| AIRD08-471K | 470.0 | 0.0230 | 21.0 | 1.75/44.45 | 0.105/2.6670 |
| AIRD08-561K | 560.0 | 0.0310 | 20.0 | 1.75/44.45 | 0.105/2.6670 |
| AIRD08-681K | 680.0 | 0.034 | 19.0 | 1.80/45.72 | 0.105/2.667 |
| AIRD08-820K | 820.0 | 0.047 | 16.0 | 1.80/45.72 | 0.049/2.3876 |
| AIRD08-102K | 1000.0 | 0.052 | 15.5 | 1.75/44.45 | 0.049/2.3876 |
| AIRD08-122K | 1200.0 | 0.057 | 15 | 1.78/45.212 | 0.049/2.3876 |
| AIRD08-152K | 1500.0 | 0.080 | 13.0 | 1.80/45.72 | 0.084/2.1336 |
| AIRD08-182K | 1800.0 | 0.088 | 12.0 | 1.70/43.18 | 0.084/2.1336 |
| AIRD08-222K | 2200.0 | 0.122 | 10.0 | 1.70/43.18 | 0.075/1.905 |
| AIRD08-272K | 2700.0 | 0.135 | 10.0 | 1.75/44.45 | 0.075/1.905 |
| AIRD08-332K | 3300.0 | 0.198 | 8.9 | 1.80/45.72 | 0.068/1.7272 |
| AIRD08-392K | 3900.0 | 0.205 | 8.0 | 1.75/44.45 | 0.068/1.7272 |
| AIRD08-472K | 4700.0 | 0.282 | 8.7 | 1.78/45.212 | 0.060/1.5240 |
| AIRD08-562K | 5600.0 | 0.309 | 6.4 | 1.80/45.72 | 0.060/1.5240 |
| AIRD08-682K | 6800.0 | 0.431 | 5.4 | 1.70/43.18 | 0.054/1.3716 |
| AIRD08-822K | 8200.0 | 0.472 | 5.2 | 1.75/44.45 | 0.054/1.3716 |
| AIRD08-103K | 10000.0 | 0.521 | 5.0 | 1.80/45.72 | 0.054/1.3716 |
| AIRD08-123K | 12000.0 | 0.717 | 4.2 | 1.80/45.72 | 0.048/1.2192 |
| AIRD08-153K | 15000.0 | 0.803 | 4.0 | 1.75/44.45 | 0.048/1.2192 |
| AIRD08-183K | 18000.0 | 1.111 | 3.4 | 1.78/45.212 | 0.043/1.0922 |
| AIRD08-223K | 22000.0 | 1.226 | 3.2 | 1.80/45.72 | 0.043/1.0922 |
| AIRD08-273K | 27000.0 | 1.716 | 2.7 | 1.75/44.45 | 0.039/0.9906 |
| AIRD08-333K | 33000.0 | 1.896 | 2.6 | 1.80/45.72 | 0.039/0.9906 |
| AIRD08-393K | 39000.0 | 2.550 | 2.3 | 1.75/44.45 | 0.035/0.8890 |
| AIRD08-473K | 47000.0 | 2.840 | 2.2 | 1.78/45.212 | 0.035/0.8890 |
| AIRD08-563K | 56000.0 | 3.104 | 2.1 | 1.80/45.72 | 0.035/0.8890 |
| AIRD08-683K | 68000.0 | 4.331 | 1.7 | 1.85/46.99 | 0.031/0.7874 |
| AIRD08-823K | 82000.0 | 4.756 | 1.6 | 1.90/48.26 | 0.031/0.7874 |
| AIRD08-104K | 100000.0 | 6.552 | 1.4 | 1.85/46.99 | 0.028/0.7112 |

★ Inductors wound with 2 standards of wire. Consult Engineering for dimension. K= ± 10%,M= ±20%



SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840




## SMD INDUCTORS

# B6011 SERIES

## FEATURES:

- Flame retardant encapsulant (UL 94 V-0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

## COMMON APPLCATIONS:

- Excellent power line noise filters
- Filters for switching regulated power supplies,DC/DC converters
- SCR and triac controls
- RFI suppression

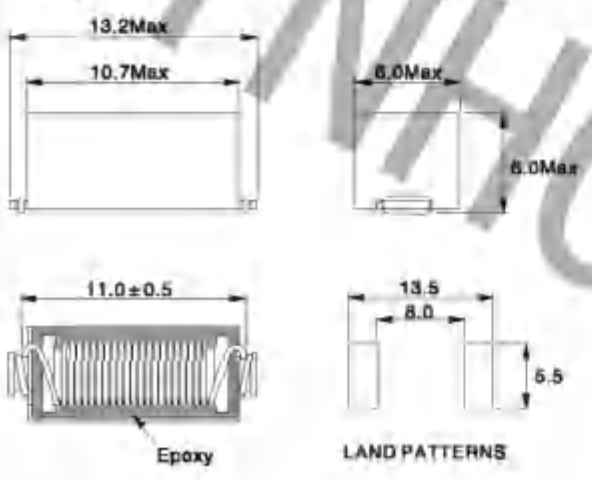
## ELECTRICAL CHARACTERISTICS:

| Part Number | Inductance L0(μH) @0Adc | Heat rating current DC Amps Irms(A) | Saturation current DC Amps Isat(A) | DCR Max. (Ω) |
|---|---|---|---|---|
| B6011-1R0Y | 1.0 | 8.6 | 4.1 | 0.013 |
| B6011-1R2Y | 1.2 | 7.6 | 3.6 | 0.018 |
| B6011-1R5Y | 1.5 | 6.9 | 3.5 | 0.02 |
| B6011-1R8Y | 1.8 | 6.6 | 3.2 | 0.021 |
| B6011-2R2Y | 2.2 | 5.7 | 2.9 | 0.029 |
| B6011-2R7Y | 2.7 | 5.1 | 2.6 | 0.034 |
| B6011-3R3Y | 3.3 | 4.6 | 2.4 | 0.038 |
| B6011-3R9Y | 3.9 | 4.3 | 2.2 | 0.042 |
| B6011-4R7Y | 4.7 | 4.0 | 2.0 | 0.047 |
| B6011-5R6Y | 5.6 | 3.8 | 1.8 | 0.051 |
| B6011-6R8Y | 6.8 | 3.5 | 1.7 | 0.058 |
| B6011-8R2Y | 8.2 | 3.3 | 1.5 | 0.063 |
| B6011-100Y | 10.0 | 3.1 | 1.4 | 0.071 |
| B6011-120Y | 12.0 | 2.7 | 1.3 | 0.079 |
| B6011-150Y | 15.0 | 2.3 | 1.2 | 0.089 |
| B6011-180Y | 18.0 | 1.9 | 1.1 | 0.119 |
| B6011-220Y | 22.0 | 1.7 | 1.02 | 0.152 |
| B6011-270Y | 27.0 | 1.5 | 0.95 | 0.179 |
| B6011-330Y | 33.0 | 1.3 | 0.88 | 0.222 |

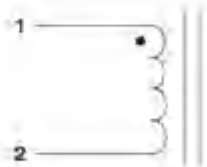
| Part Number | Inductance L0(μH) @0Adc | Heat rating current DC Amps Irms(A) | Saturation current DC Amps Isat(A) | DCR Max. (Ω) |
|---|---|---|---|---|
| B6011-390Y | 39.0 | 1.19 | 0.8 | 0.315 |
| B6011-470Y | 47.0 | 1.07 | 0.74 | 0.362 |
| B6011-560Y | 56.0 | 0.95 | 0.68 | 0.397 |
| B6011-680Y | 68.0 | 0.87 | 0.62 | 0.446 |
| B6011-820Y | 82.0 | 0.8 | 0.56 | 0.604 |
| B6011-101Y | 100.0 | 0.73 | 0.5 | 0.672 |
| B6011-121Y | 120.0 | 0.66 | 0.45 | 0.735 |
| B6011-151Y | 150.0 | 0.58 | 0.4 | 0.966 |
| B6011-181Y | 180.0 | 0.5 | 0.35 | 1.37 |
| B6011-221Y | 220.0 | 0.46 | 0.32 | 1.58 |
| B6011-271Y | 270.0 | 0.41 | 0.3 | 1.77 |
| B6011-331Y | 330.0 | 0.37 | 0.28 | 2.51 |
| B6011-391Y | 390.0 | 0.34 | 0.26 | 2.73 |
| B6011-471Y | 470.0 | 0.32 | 0.24 | 3.35 |
| B6011-561Y | 560.0 | 0.3 | 0.23 | 3.75 |
| B6011-681Y | 680.0 | 0.28 | 0.2 | 4.31 |
| B6011-821Y | 820.0 | 0.26 | 0.17 | 6.04 |
| B6011-102Y | 1000.0 | 0.24 | 0.15 | 6.9 |
| B6011-152Y | 1500.0 | 0.075 | 0.46 | 7.3 |

## PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)




## WINDING:




- Testing: (Equivalent acceptable)
  Inductance: HP4284A, 1.0KHz / 1Vdc@25℃
  RDC:QuadTech 1880 Milliohmmeter
- Inductance Tolerance: ± 15 %
- Isat Max:Determined when superimposed DC current is decreased 5% against its initial value
- Operating temperature: -25℃ to +105℃(Including temp. rise 40℃)
- Storage Temperature: -40℃ to +85℃
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

SHINHOM




# SMD INDUCTORS
# B6012 SERIES

## FEATURES:

- Flame retardant encapsulant (UL 94 V-0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

## COMMON APPLCATIONS:

- Excellent power line noise filters
- Filters for switching regulated power supplies,DC/DC converters
- SCR and triac controls
- RFI suppression

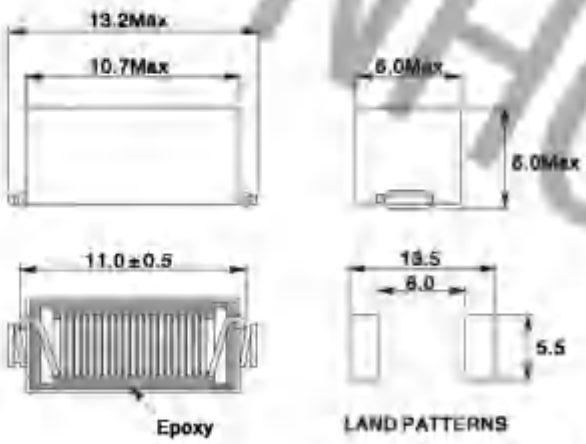
## ELECTRICAL CHARACTERISTICS:

| Part Number | Inductance L0(μH) @0Adc | Heat rating current DC Amps Irms(A) | Saturation current DC Amps Isat(A) | DCR Max. (Ω). |
|---|---|---|---|---|
| B6012-1R0M | 1.0 | 1.8 | 16.2 | 0.012 |
| B6012-1R2M | 1.2 | 1.8 | 15.3 | 0.013 |
| B6012-1R5M | 1.5 | 1.8 | 14.4 | 0.014 |
| B6012-1R8M | 1.8 | 1.8 | 8.0 | 0.015 |
| B6012-2R2M | 2.2 | 1.4 | 8.8 | 0.022 |
| B6012-2R7M | 2.7 | 1.2 | 8.1 | 0.032 |
| B6012-2R2M | 3.3 | 1.2 | 7.7 | 0.034 |
| B6012-3R9M | 3.9 | 0.7 | 6.5 | 0.065 |
| B6012-4R7M | 4.7 | .7 | 5.5 | 0.068 |
| B6012-5R6M | 5.6 | 0.7 | 5.2 | 0.073 |
| B6012-6R8M | 6.8 | 0.7 | 5.0 | 0.077 |
| B6012-8R2M | 8.2 | 0.7 | 4.8 | 0.081 |
| B6012-100M | 10.0 | 0.7 | 4.7 | 0.103 |
| B6012-120K | 12.0 | 0.7 | 4.4 | 0.107 |
| B6012-150K | 15.0 | 0.7 | 4.1 | 0.112 |
| B6012-180K | 18.0 | 0.7 | 3.8 | 0.125 |
| B6012-220K | 22.0 | 0.6 | 3.0 | 0.167 |
| B6012-270K | 27.0 | 0.5 | 2.6 | 0.219 |
| B6012-330K | 33.0 | 0.3 | 2.4 | 0.308 |
| B6012-390K | 39.0 | 0.3 | 2.3 | 0.340 |
| B6012-470K | 47.0 | 0.3 | 2.1 | 0.370 |
| B6012-560K | 56.0 | 0.3 | 1.9 | 0.409 |
| B6012-680K | 68.0 | 0.3 | 1.8 | 0.449 |
| B6012-820K | 82.0 | 0.3 | 1.7 | 0.489 |

| Part Number | Inductance L0(μH) @0Adc | Heat rating current DC Amps Irms(A) | Saturation current DC Amps Isat(A) | DCR Max. (Ω). |
|---|---|---|---|---|
| B6012-101K | 100.0 | 0.2 | 1.6 | 0.961 |
| B6012-121K | 120.0 | 0.2 | 1.4 | 1.03 |
| B6012-151K | 150.0 | 0.2 | 1.4 | 1.06 |
| B6012-181K | 180.0 | 0.2 | 1.3 | 1.19 |
| B6012-221K | 220.0 | 0.2 | 1.2 | 1.25 |
| B6012-271K | 270.0 | 0.15 | 1.1 | 1.56 |
| B6012-331K | 330.0 | 0.15 | 1.0 | 1.80 |
| B6012-391K | 390.0 | 0.12 | 0.9 | 2.62 |
| B6012-471K | 470.0 | 0.12 | 0.81 | 2.88 |
| B6012-561K | 560.0 | 0.1 | 0.72 | 3.63 |
| B6012-681K | 680.0 | 0.1 | 0.58 | 4.20 |
| B6012-821K | 820.0 | 0.1 | 0.54 | 4.53 |
| B6012-102K | 1000.0 | 0.1 | 0.52 | 4.79 |
| B6012-122K | 1200.0 | 0.075 | 0.49 | 6.34 |
| B6012-152K | 1500.0 | 0.075 | 0.46 | 7.30 |
| B6012-182K | 1800.0 | 0.06 | 0.43 | 11.22 |
| B6012-222K | 2200.0 | 0.06 | 0.36 | 12.41 |
| B6012-272K | 2700.0 | 0.06 | 0.28 | 16.10 |
| B6012-332K | 3300.0 | 0.06 | 0.26 | 18.35 |
| B6012-392K | 3900.0 | 0.06 | 0.25 | 24.62 |
| B6012-472K | 4700.0 | 0.03 | 0.23 | 25.48 |
| B6012-562K | 5600.0 | 0.03 | 0.21 | 31.83 |
| B6012-682K | 6800.0 | 0.03 | 0.19 | 36.90 |

## PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)




## WINDING:




- Testing: (Equivolent acceptable)
  Inductance: HP4284A, 10KHz / 0.1Vdc@25℃
  RDC:QuadTech 1680 Milliohmmeter
- Inductance Tolerance: ±20%(1uH to 10uH)
  ±10%(12uH to 6.8mH)
- Isat Max:Determined when superimposed DC current is decreased 5% against its initial value
- Operating temperature: -25℃ to +105℃(including temp. rise 40℃)
- Storage Temperature: -40℃ to +85℃
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance



# SMD INDUCTORS

# B8020 SERIES

## FEATURES:

- Flame retardant encapsulant (UL 94 V-0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

## COMMON APPLCATIONS:

- Excellent power line noise filters
- Filters for switching regulated power supplies,DC/DC converters
- SCR and triac controls
- RFI suppression

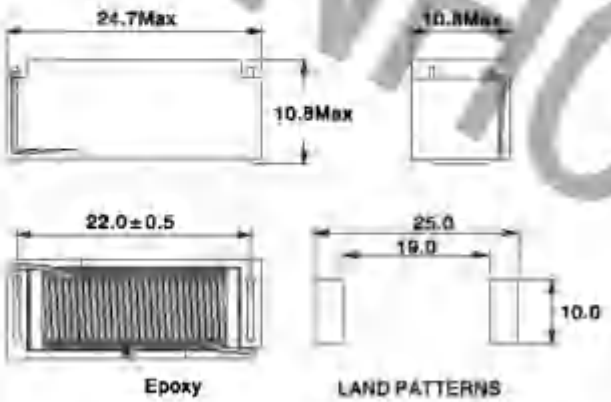
## ELECTRICAL CHARACTERISTICS:

| Part Number | Inductance L0(μH) @0Adc | Heat rating current DC Amps Irms(A) | Saturation current DC Amps Isat(A) | DCR Max. (Ω). |
|---|---|---|---|---|
| B8020-3R9K | 3.9 | 4.0 | 15.5 | .007 |
| B8020-4R7K | 4.7 | 4.0 | 13.9 | .008 |
| B8020-5R6K | 5.6 | 4.0 | 12.6 | .011 |
| B8020-6R8K | 6.8 | 4.0 | 11.6 | .011 |
| B8020-8R2K | 8.2 | 4.0 | 9.69 | .013 |
| B8020-100K | 10 | 4.0 | 8.70 | .017 |
| B8020-120K | 12 | 4.0 | 8.21 | .019 |
| B8020-150K | 15 | 4.0 | 7.34 | .022 |
| B8020-180K | 18 | 4.0 | 6.84 | .023 |
| B8020-220K | 22 | 4.0 | 6.07 | .026 |
| B8020-270K | 27 | 4.0 | 5.36 | .027 |
| B8020-330K | 33 | 4.0 | 4.82 | .032 |
| B8020-390K | 39 | 4.0 | 4.36 | .033 |
| B8020-470K | 47 | 4.0 | 3.88 | .035 |
| B8020-560K | 56 | 3.2 | 3.66 | .037 |
| B8020-680K | 68 | 2.5 | 3.31 | .047 |
| B8020-820K | 82 | 2.0 | 3.10 | .050 |
| B8020-101K | 100 | 1.6 | 2.79 | .090 |
| B8020-121K | 120 | 1.6 | 5.54 | .113 |
| B8020-151K | 150 | 1.6 | 2.22 | .129 |
| B8020-181K | 180 | 1.6 | 1.98 | .150 |
| B8020-221K | 220 | 1.6 | 1.69 | .182 |
| B8020-271K | 270 | 1.6 | 1.53 | .208 |
| B8020-331K | 330 | 1.6 | 1.51 | .212 |
| B8020-391K | 390 | 1.6 | 1.39 | .281 |
| B8020-471K | 470 | 1.2 | 1.24 | .380 |
| B8020-561K | 560 | 1.0 | 1.17 | .420 |

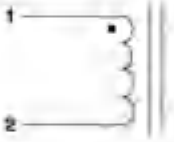
| Part Number | Inductance L0(μH) @0Adc | Heat rating current DC Amps Irms(A) | Saturation current DC Amps Isat(A) | DCR Max. (Ω). |
|---|---|---|---|---|
| B8020-681K | 680 | 1.0 | 1.05 | .546 |
| B8020-821K | 820 | 0.8 | .97 | .665 |
| B8020-102K | 1000 | 0.8 | .87 | .844 |
| B8020-122K | 1200 | 0.6 | .79 | 1.04 |
| B8020-152K | 1500 | 0.6 | .70 | 1.16 |
| B8020-182K | 1800 | 0.6 | .64 | 1.56 |
| B8020-222K | 2200 | 0.5 | .58 | 2.00 |
| B8020-272K | 2700 | 0.4 | .53 | 2.08 |
| B8020-332K | 3300 | 0.4 | .47 | 2.53 |
| B8020-392K | 3900 | 0.4 | .43 | 2.75 |
| B8020-472K | 4700 | 0.4 | .39 | 3.19 |
| B8020-562K | 5600 | 0.315 | .358 | 3.92 |
| B8020-682K | 6800 | 0.250 | .322 | 5.69 |
| B8020-822K | 8200 | 0.250 | .293 | 6.32 |
| B8020-103K | 10000 | 0.250 | .266 | 7.30 |
| B8020-123K | 12000 | 0.200 | .241 | 8.21 |
| B8020-153K | 15000 | 0.200 | .214 | 10.50 |
| B8020-183K | 18000 | 0.158 | .189 | 14.80 |
| B8020-223K | 22000 | 0.125 | .180 | 21.8 |
| B8020-273K | 27000 | 0.125 | .162 | 22.7 |
| B8020-333K | 33000 | 0.125 | .148 | 25.7 |
| B8020-393K | 39000 | 0.100 | .135 | 31.9 |
| B8020-473K | 47000 | 0.100 | .122 | 36.1 |
| B8020-563K | 56000 | 0.100 | .112 | 40.9 |
| B8020-683K | 68000 | 0.082 | .101 | 57.3 |
| B8020-823K | 82000 | 0.065 | .090 | 79.3 |
| B8020-104K | 100000 | 0.065 | .081 | 89.7 |

## PHYSICAL CHARACTERISTICS:

DIMENSIONS(MM)




## WINDING:




- Testing: (Equivalent acceptable)
  Inductance: HP4284A, 1.0KHz / 0.1Vdc@25℃
  RDC:QuadTech 1880 Milliohmmeter
- Inductance Tolerance: ±10%
- Isat Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: -25℃ to +105℃(Including temp. rise 40℃)
- Storage Temperature: -40℃ to +85℃
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

# THROUGH-HOLE RADIAL POWER CHOKES

# LCH0605 SERIES



## FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

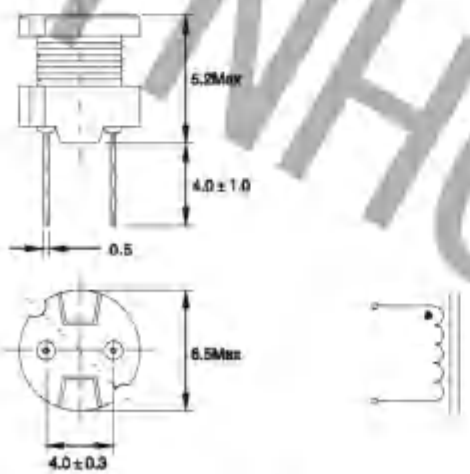
## ELECTRICAL CHARACTERISTICS:

| Part Number LCH0605- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 220M | 220 | 22 | 0.18 | 0.90 |
| 270M | 270 | 27 | 0.21 | 0.81 |
| 330M | 330 | 33 | 0.27 | 0.74 |
| 390M | 390 | 39 | 0.29 | 0.68 |
| 470M | 470 | 47 | 0.34 | 0.62 |
| 560M | 560 | 56 | 0.42 | 0.57 |
| 680M | 680 | 68 | 0.48 | 0.51 |
| 820M | 820 | 82 | 0.55 | 0.47 |
| 101K | 101 | 100 | 0.68 | 0.42 |
| 121K | 121 | 120 | 0.77 | 0.39 |
| 151K | 151 | 150 | 0.95 | 0.35 |
| 181K | 181 | 180 | 1.15 | 0.32 |
| 221K | 221 | 220 | 1.30 | 0.29 |
| 271K | 271 | 270 | 1.55 | 0.26 |
| 331K | 331 | 330 | 2.18 | 0.23 |
| 391K | 391 | 390 | 2.47 | 0.21 |
| 471K | 471 | 470 | 2.92 | 0.20 |
| 561K | 561 | 560 | 3.97 | 0.18 |
| 681K | 681 | 680 | 4.57 | 0.16 |
| 821K | 821 | 820 | 5.26 | 0.15 |
| 102K | 102 | 1000 | 7.06 | 0.13 |

Note:1. K=±10%,M=±20%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimmension: mm




- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.



SHINHOM SHINHOM

# THROUGH-HOLE RADIAL POWER CHOKES
# LCH0606 SERIES



## FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

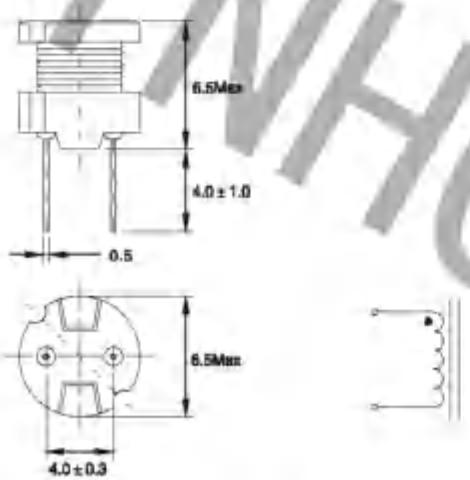
## ELECTRICAL CHARACTERISTICS:

| Part Number LCH0606- | Marking | Inductance (μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 220M | 220 | 22 | 0.11 | 1.27 |
| 270M | 270 | 27 | 0.14 | 1.14 |
| 330M | 330 | 33 | 0.17 | 1.03 |
| 390M | 390 | 39 | 0.19 | 0.95 |
| 470M | 470 | 47 | 0.23 | 0.87 |
| 560M | 560 | 56 | 0.28 | 0.80 |
| 680M | 680 | 68 | 0.28 | 0.72 |
| 820M | 820 | 82 | 0.39 | 0.66 |
| 101K | 101 | 100 | 0.43 | 0.59 |
| 121K | 121 | 120 | 0.54 | 0.54 |
| 151K | 151 | 150 | 0.64 | 0.48 |
| 181K | 181 | 180 | 0.74 | 0.44 |
| 221K | 221 | 220 | 0.96 | 0.40 |
| 271K | 271 | 270 | 1.12 | 0.36 |
| 331K | 331 | 330 | 1.46 | 0.33 |
| 391K | 391 | 390 | 1.66 | 0.30 |
| 471K | 471 | 470 | 1.91 | 0.28 |
| 561K | 561 | 560 | 2.31 | 0.25 |
| 681K | 681 | 680 | 2.67 | 0.23 |
| 821K | 821 | 820 | 3.10 | 0.21 |
| 102K | 102 | 1000 | 4.45 | 0.19 |

Note:1. K=±10%,M=±20%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimmension: mm




- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.



SHINHOM

# THROUGH-HOLE RADIAL POWER CHOKES

# LCH0805 SERIES



## FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

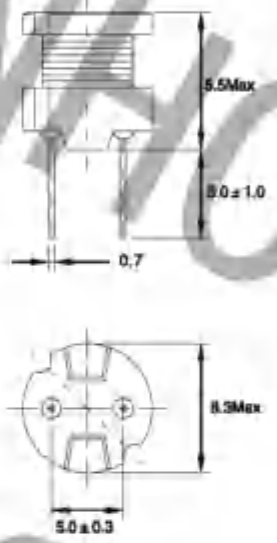
## ELECTRICAL CHARACTERISTICS:

| Part Number LCH0805- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 100M | 100 | 10 | 0.07 | 2.50 |
| 120M | 120 | 12 | 0.08 | 2.40 |
| 150M | 150 | 15 | 0.09 | 2.10 |
| 180M | 180 | 18 | 0.10 | 2.00 |
| 220M | 220 | 22 | 0.12 | 1.70 |
| 270M | 270 | 27 | 0.14 | 1.60 |
| 330M | 330 | 33 | 0.17 | 1.40 |
| 390M | 390 | 39 | 0.21 | 1.30 |
| 470M | 470 | 47 | 0.24 | 1.20 |
| 560M | 560 | 56 | 0.31 | 1.10 |
| 680M | 680 | 68 | 0.34 | 1.00 |
| 820M | 820 | 82 | 0.40 | 0.93 |
| 101K | 101 | 100 | 0.52 | 0.81 |
| 121K | 121 | 120 | 0.59 | 0.76 |
| 151K | 151 | 150 | 0.71 | 0.67 |
| 181K | 181 | 180 | 0.89 | 0.62 |
| 221K | 221 | 220 | 1.04 | 0.54 |
| 271K | 271 | 270 | 1.28 | 0.49 |
| 331K | 331 | 330 | 1.47 | 0.44 |
| 391K | 391 | 390 | 1.67 | 0.41 |
| 471K | 471 | 470 | 1.95 | 0.38 |
| 561K | 561 | 560 | 2.83 | 0.35 |
| 681K | 681 | 680 | 3.25 | 0.32 |
| 821K | 821 | 820 | 3.82 | 0.31 |
| 102K | 102 | 1000 | 5.26 | 0.25 |
| 122K | 122 | 1200 | 6.03 | 0.23 |
| 152K | 152 | 1500 | 7.15 | 0.21 |
| 182K | 182 | 1800 | 8.26 | 0.20 |
| 222K | 222 | 2200 | 11.1 | 0.18 |
| 272K | 272 | 2700 | 13.1 | 0.16 |
| 332K | 332 | 3300 | 15.9 | 0.14 |
| 392K | 392 | 3900 | 18.0 | 0.13 |
| 472K | 472 | 4700 | 23.9 | 0.12 |
| 562K | 562 | 5600 | 28.8 | 0.11 |
| 682K | 682 | 6800 | 31.7 | 0.098 |
| 822K | 822 | 8200 | 46.5 | 0.086 |
| 103K | 103 | 10000 | 55.7 | 0.081 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating Temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

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Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL POWER CHOKES

# LCH0807 SERIES



## FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

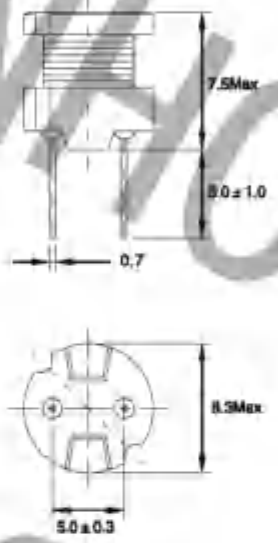
## ELECTRICAL CHARACTERISTICS:

| Part Number LCH0807- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 100M | 100 | 10 | 0.05 | 2.90 |
| 120M | 120 | 12 | 0.06 | 2.60 |
| 150M | 150 | 15 | 0.07 | 2.20 |
| 180M | 180 | 18 | 0.08 | 1.90 |
| 220M | 220 | 22 | 0.09 | 1.80 |
| 270M | 270 | 27 | 0.11 | 1.70 |
| 330M | 330 | 33 | 0.13 | 1.50 |
| 390M | 390 | 39 | 0.14 | 1.30 |
| 470M | 470 | 47 | 0.15 | 1.30 |
| 560M | 560 | 56 | 0.18 | 1.20 |
| 680M | 680 | 68 | 0.20 | 1.10 |
| 820M | 820 | 82 | 0.24 | 1.00 |
| 101K | 101 | 100 | 0.25 | 0.89 |
| 121K | 121 | 120 | 0.36 | 0.81 |
| 151K | 151 | 150 | 0.42 | 0.72 |
| 181K | 181 | 180 | 0.57 | 0.66 |
| 221K | 221 | 220 | 0.63 | 0.57 |
| 271K | 271 | 270 | 0.88 | 0.51 |
| 331K | 331 | 330 | 1.05 | 0.46 |
| 391K | 391 | 390 | 1.17 | 0.44 |
| 471K | 471 | 470 | 1.34 | 0.41 |
| 561K | 561 | 560 | 1.72 | 0.36 |
| 681K | 681 | 680 | 1.96 | 0.33 |
| 821K | 821 | 820 | 2.58 | 0.30 |
| 102K | 102 | 1000 | 2.94 | 0.27 |
| 122K | 122 | 1200 | 4.04 | 0.24 |
| 152K | 152 | 1500 | 4.70 | 0.22 |
| 182K | 182 | 1800 | 5.05 | 0.20 |
| 222K | 222 | 2200 | 6.25 | 0.18 |
| 272K | 272 | 2700 | 8.72 | 0.16 |
| 332K | 332 | 3300 | 10.6 | 0.15 |
| 392K | 392 | 3900 | 14.2 | 0.14 |
| 472K | 472 | 4700 | 16.7 | 0.12 |
| 562K | 562 | 5600 | 18.7 | 0.11 |
| 682K | 682 | 6800 | 21.8 | 0.10 |
| 822K | 822 | 8200 | 28.7 | 0.093 |
| 103K | 103 | 10000 | 33.0 | 0.084 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

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Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL POWER CHOKES

# LCH0809 SERIES



## FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

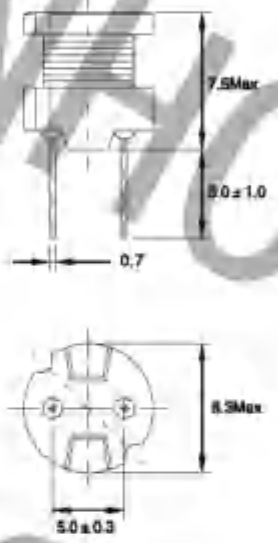
## ELECTRICAL CHARACTERISTICS:

| Part Number LCH0809- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 100M | 100 | 10 | 0.04 | 2.80 |
| 120M | 120 | 12 | 0.04 | 2.60 |
| 150M | 150 | 15 | 0.05 | 2.10 |
| 180M | 180 | 18 | 0.05 | 2.00 |
| 220M | 220 | 22 | 0.06 | 1.70 |
| 270M | 270 | 27 | 0.06 | 1.60 |
| 330M | 330 | 33 | 0.07 | 1.40 |
| 390M | 390 | 39 | 0.08 | 1.40 |
| 470M | 470 | 47 | 010 | 1.30 |
| 560M | 560 | 56 | 0.11 | 1.20 |
| 680M | 680 | 68 | 0.14 | 1.10 |
| 820M | 820 | 82 | 0.16 | 1.00 |
| 101K | 101 | 100 | 0.18 | 0.90 |
| 121K | 121 | 120 | 0.22 | 0.82 |
| 151K | 151 | 150 | 0.27 | 0.74 |
| 181K | 181 | 180 | 0.31 | 0.71 |
| 221K | 221 | 220 | 0.38 | 0.64 |
| 271K | 271 | 270 | 0.53 | 0.57 |
| 331K | 331 | 330 | 0.61 | 0.51 |
| 391K | 391 | 390 | 0.69 | 0.48 |
| 471K | 471 | 470 | 0.89 | 0.43 |
| 561K | 561 | 560 | 1.01 | 0.40 |
| 681K | 681 | 680 | 1.18 | 0.35 |
| 821K | 821 | 820 | 1.57 | 0.32 |
| 102K | 102 | 1000 | 1.84 | 0.30 |
| 122K | 122 | 1200 | 2.10 | 0.27 |
| 152K | 152 | 1500 | 2.80 | 0.23 |
| 182K | 182 | 1800 | 3.21 | 0.21 |
| 222K | 222 | 2200 | 4.21 | 0.19 |
| 272K | 272 | 2700 | 4.94 | 0.17 |
| 332K | 332 | 3300 | 6.16 | 0.15 |
| 392K | 392 | 3900 | 6.84 | 0.14 |
| 472K | 472 | 4700 | 7.89 | 0.13 |
| 562K | 562 | 5600 | 11.5 | 0.12 |
| 682K | 682 | 6800 | 13.2 | 0.11 |
| 822K | 822 | 8200 | 15.2 | 0.10 |
| 103K | 103 | 10000 | 22.0 | 0.089 |
| 123K | 123 | 12000 | 33.0 | 0.073 |
| 153K | 153 | 15000 | 29.1 | 0.068 |
| 183K | 183 | 18000 | 38.9 | 0.059 |
| 223K | 223 | 22000 | 44.9 | 0.059 |
| 273K | 273 | 27000 | 55.7 | 0.052 |
| 333K | 333 | 33000 | 64.2 | 0.048 |
| 393K | 393 | 39000 | 74.2 | 0.042 |
| 473K | 473 | 47000 | 86.4 | 0.038 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiace.

# RADIAL LEADED WIRE WOUND INDUCTOR

## LCH1010 SERIES



### FEATURES:

- Low cost, high current power inductors
- 90 inductance values; 68 μH to 18mH
- Flame retardant polyolefin wrap to protect the winding.
- Environmental RoHS compliant, halogen free

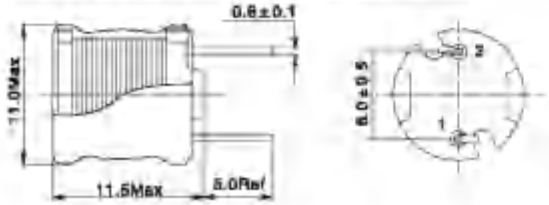
### APPLICATIONS:

- Signal filtering, EMI and power supply filter
- DC/DC converters/switching power supplies for small and medium voltage
- Power supply for LED

## ELECTRICAL CHARACTERISTICS:

| Part No. | Inductance ±10%(uH) | DCR(Ω) Max. | SRF typ. (MHz) | Isat(A) | | | Irms(A) | |
|---|---|---|---|---|---|---|---|---|
| | | | | 10% drop | 20% drop | 30% drop | 20°C rise | 40°C rise |
| LCH1010-680K | 68 | 0.115 | 5.8 | 3.2 | 3.67 | 3.94 | 1.6 | 2.4 |
| LCH1010-820K | 82 | 0.125 | 5.4 | 2.95 | 3.4 | 3.67 | 1.7 | 2.3 |
| LCH1010-101K | 100 | 0.15 | 4.7 | 2.65 | 3.03 | 3.27 | 1.6 | 2.15 |
| LCH1010-121K | 120 | 0.195 | 4.3 | 2.4 | 2.78 | 2.98 | 1.4 | 1.9 |
| LCH1010-151K | 150 | 0.23 | 4.0 | 2.2 | 2.5 | 2.7 | 1.3 | 1.75 |
| LCH1010-181K | 180 | 0.295 | 3.4 | 2.0 | 2.28 | 2.44 | 1.1 | 1.58 |
| LCH1010-221K | 220 | 0.335 | 3.1 | 1.85 | 2.08 | 2.25 | 1.05 | 1.45 |
| LCH1010-271K | 270 | 0.44 | 2.8 | 1.65 | 1.88 | 2.04 | 0.9 | 1.27 |
| LCH1010-331K | 330 | 0.5 | 2.6 | 1.5 | 1.72 | 1.84 | 0.85 | 1.18 |
| LCH1010-391K | 390 | 0.56 | 2.4 | 1.4 | 1.6 | 1.72 | 0.82 | 1.12 |
| LCH1010-471K | 470 | 0.725 | 2.1 | 1.25 | 1.42 | 1.53 | 0.72 | 1.0 |
| LCH1010-561K | 560 | 0.805 | 1.9 | 1.15 | 1.32 | 1.42 | 0.68 | 0.92 |
| LCH1010-681K | 680 | 1.11 | 1.7 | 1.05 | 1.18 | 1.26 | 0.58 | 0.78 |
| LCH1010-821K | 820 | 1.2 | 1.6 | 0.95 | 1.1 | 1.18 | 0.54 | 0.74 |
| LCH1010-102K | 1000 | 1.4 | 1.5 | 0.9 | 1.0 | 1.07 | 0.5 | 0.7 |
| LCH1010-122K | 1200 | 1.85 | 1.3 | 0.75 | 0.9 | 0.98 | 0.43 | 0.61 |
| LCH1010-152K | 1500 | 2.05 | 1.2 | 0.7 | 0.81 | 0.86 | 0.41 | 0.58 |
| LCH1010-182K | 1800 | 2.75 | 1.1 | 0.64 | 0.71 | 0.77 | 0.36 | 0.5 |
| LCH1010-222K | 2200 | 3.2 | 0.89 | 0.58 | 0.65 | 0.7 | 0.33 | 0.47 |
| LCH1010-272K | 2700 | 4.2 | 0.82 | 0.53 | 0.59 | 0.63 | 0.29 | 0.41 |
| LCH1010-332K | 3300 | 4.75 | 0.75 | 0.48 | 0.53 | 0.57 | 0.26 | 0.38 |
| LCH1010-392K | 3900 | 5.3 | 0.71 | 0.46 | 0.49 | 0.53 | 0.26 | 0.36 |
| LCH1010-472K | 4700 | 6.95 | 0.61 | 0.41 | 0.45 | 0.48 | 0.22 | 0.32 |
| LCH1010-562K | 5600 | 7.75 | 0.57 | 0.37 | 0.41 | 0.44 | 0.21 | 0.3 |
| LCH1010-682K | 6800 | 10 | 0.49 | 0.34 | 0.38 | 0.4 | 0.8 | 0.26 |
| LCH1010-822K | 8200 | 11 | 0.46 | 0.32 | 0.35 | 0.37 | 0.17 | 0.245 |
| LCH1010-103K | 10000 | 15.5 | 0.43 | 0.29 | 0.31 | 0.33 | 0.15 | 0.21 |
| LCH1010-123K | 12000 | 17.5 | 0.41 | 0.25 | 0.28 | 0.3 | 0.135 | 0.18 |
| LCH1010-153K | 15000 | 19.6 | 0.38 | 0.23 | 0.26 | 0.28 | 0.13 | 0.17 |
| LCH1010-183K | 18000 | 25 | 0.33 | 0.21 | 0.23 | 0.24 | 0.115 | 0.15 |

## PHYSICAL CHARACTERISTICS:




## NOTES:

- Inductance tested at 100 kHz, 0.1Vrms, 0 Adc on an Agilent/HP 4284A LCR-meter or equivalent.
- SRF measured using Agilent/HP 8181A or equivalent.
- DC current at 25°C that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- Ambient temperature -40°C to +85°C with (40°C rise) Irms current.
- Maximum part temperature +125° C (ambient + temp rise).
- Storage temperature Component: -40°C to +125°C.
- Tray or tape packaging: -40°C to +80°C
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Nots:All specifications subject to change without notiece.



# POWER INDUCTORS

# LCH1006-4W SERIES

## DESCRIPTION:

- Ferrite drum core construction
- Magnetically unshielded
- LxWxH: 10.5x10.5x6.5mm Max
- RoHS-compatible

## APPLICATIONS:

- Ideally used in Printers,LCD TV, DVD, Copy Machine,Mainboardof the compounding machines etc, As DC-DC Converter inductors.

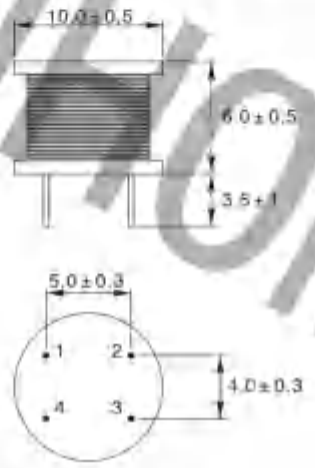
## PACKAGING:

- Box packaging

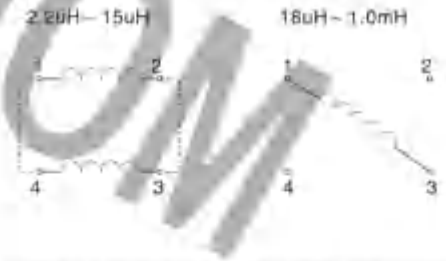
## ELECTRICAL CHARACTERISTICS:

| Part Number | Inductance (uH) | DCR (mΩ)Max | Rated current (A)Max |
|---|---|---|---|
| LCH1006-4W-2R2M | 2.2 ± 20% | 8.5 | 7.9 |
| LCH1006-4W-2R7M | 2.7 ± 20% | 9.6 | 7.2 |
| LCH1006-4W-3R7M | 3.7 ± 20% | 10.9 | 6.3 |
| LCH1006-4W-4R7M | 4.7 ± 20% | 11.7 | 5.7 |
| LCH1006-4W-6R2M | 6.2 ± 20% | 15.3 | 5.3 |
| LCH1006-4W-8R2M | 8.2 ± 20% | 17.0 | 5.0 |
| LCH1006-4W-100M | 10 ± 20% | 27.0 | 4.5 |
| LCH1006-4W-120M | 12 ± 20% | 31.0 | 4.1 |
| LCH1006-4W-150M | 15 ± 20% | 36.0 | 3.7 |
| LCH1006-4W-180M | 18 ± 20% | 49.0 | 3.4 |
| LCH1006-4W-220M | 22 ± 20% | 55.0 | 3.1 |
| LCH1006-4W-270M | 27 ± 20% | 62.0 | 2.8 |
| LCH1006-4W-330M | 33 ± 10% | 79.0 | 2.5 |
| LCH1006-4W-390M | 39 ± 10% | 87.0 | 2.3 |
| LCH1006-4W-470M | 47 ± 10% | 99.0 | 2.1 |
| LCH1006-4W-560K | 56 ± 10% | 130 | 1.9 |
| LCH1006-4W-680K | 68 ± 10% | 140 | 1.7 |
| LCH1006-4W-820K | 82 ± 10% | 160 | 1.6 |
| LCH1006-4W-101K | 100 ± 10% | 210 | 1.4 |
| LCH1006-4W-121K | 120 ± 10% | 240 | 1.3 |
| LCH1006-4W-151K | 150 ± 10% | 320 | 1.2 |
| LCH1006-4W-181K | 180 ± 10% | 350 | 1.1 |
| LCH1006-4W-221K | 220 ± 10% | 450 | 0.96 |
| LCH1006-4W-271K | 270 ± 10% | 610 | 0.87 |
| LCH1006-4W-331K | 330 ± 10% | 690 | 0.79 |
| LCH1006-4W-391K | 390 ± 10% | 780 | 0.72 |
| LCH1006-4W-471K | 470 ± 10% | 1000 | 0.66 |
| LCH1006-4W-561K | 560 ± 10% | 1200 | 0.60 |
| LCH1006-4W-681K | 680 ± 10% | 1400 | 0.55 |
| LCH1006-4W-821K | 820 ± 10% | 1800 | 0.50 |
| LCH1006-4W-102K | 1000 ± 10% | 2100 | 0.45 |

## PHYSICAL CHARACTERISTICS




## WINDING



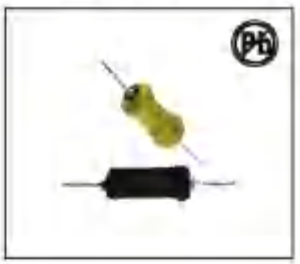

## TECHNICAL INFORMATION

- Inductance measuring condition:
  2.2uH~8.2uH@7.96MHz
  10uH~1.0mH@1KHz
- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR: WK3260B
- The rated current indicates the lower value of current when the inductance is 10% lower than its initial value at D.C. superposition or the temperature of coil rises 40℃with D.C. Current passing. (Ta = 20℃)
- Operating Temperature: -40℃ to +100℃ (including coil's self temperature rise)
- Storage Temperature: -40℃ to +100℃
- All specifications subject to change without notice.

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# THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

# LCHA0410 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics High Reliability
- High Inductance and Lower RDC

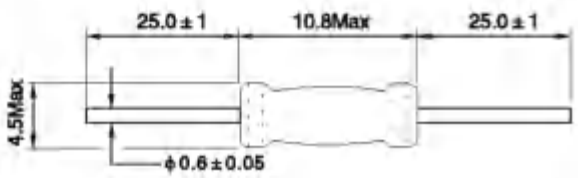
## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## STANDARD SPECIFICATIONS:

| Part Number LCHA0410- | L (μH) | DCR Max. Ω @+25℃ | I Sat A(max) | Idc A(max) |
|---|---|---|---|---|
| 3R9K | 3.9 | .060 | 1800 | 1500 |
| 4R7K | 4.7 | .068 | 1700 | 1400 |
| 5R6K | 5.6 | .074 | 1600 | 1300 |
| 6R8K | 6.8 | .080 | 1600 | 1200 |
| 8R2K | 8.2 | .087 | 1500 | 1100 |
| 100K | 10 | .095 | 1500 | 970 |
| 120K | 12 | .110 | 1400 | 880 |
| 150K | 15 | .115 | 1200 | 790 |
| 180K | 18 | .160 | 1100 | 710 |
| 220K | 22 | .190 | 1000 | 640 |
| 270K | 27 | .220 | 950 | 580 |
| 330K | 33 | .350 | 910 | 530 |
| 390K | 39 | .280 | 880 | 480 |
| 470K | 47 | .350 | 760 | 430 |
| 560K | 56 | .470 | 650 | 400 |
| 680K | 68 | .530 | 610 | 370 |
| 820K | 82 | .600 | 580 | 330 |
| 101K | 100 | .670 | 550 | 300 |
| 121K | 120 | .900 | 470 | 270 |
| 151K | 150 | 1.20 | 410 | 250 |
| 181K | 180 | 1.40 | 380 | 220 |
| 221K | 220 | 1.80 | 320 | 200 |
| 271K | 270 | 2.10 | 310 | 180 |
| 331K | 330 | 2.40 | 290 | 170 |
| 391K | 390 | 3.0 | 280 | 150 |
| 471K | 470 | 3.40 | 240 | 140 |
| 561K | 560 | 4.70 | 210 | 130 |
| 681K | 680 | 6.40 | 180 | 110 |
| 821K | 820 | 7.1 | 170 | 100 |
| 102K | 1000 | 7.9 | 160 | 95 |
| 122K | 1200 | 9.0 | 150 | 87 |
| 152K | 1500 | 12.0 | 130 | 78 |
| 182K | 1800 | 14.0 | 120 | 71 |
| 222K | 2200 | 19.0 | 100 | 64 |
| 272K | 2700 | 25.0 | 90 | 56 |
| 332K | 3300 | 29.0 | 83 | 52 |
| 392K | 3900 | 34.0 | 77 | 48 |
| 472K | 4700 | 37.0 | 74 | 44 |
| 562K | 5600 | 50.0 | 63 | 40 |
| 682K | 6800 | 56.0 | 59 | 38 |
| 822K | 8200 | 66.0 | 54 | 33 |
| 103K | 10000 | 75.0 | 52 | 30 |

## TECHNICAL INFORMATION:




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.



SHINHOM

# THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

# LCHA0617 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics High Reliability
- High Inductance and Lower RDC

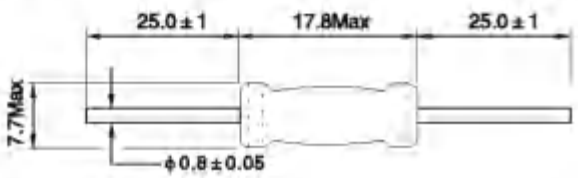
## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## STANDARD SPECIFICATIONS:

| Part Number LCHA0617- | L (μH) | DCR Max. Ω @+20℃ | I Sat A(max) | Idc A(max) |
|---|---|---|---|---|
| 3R9K | 3.9 | .019 | 7.8 | 1.70 |
| 4R7K | 4.7 | .022 | 6.3 | 1.50 |
| 5R6K | 5.6 | .024 | 5.8 | 1.40 |
| 6R8K | 6.8 | .026 | 5.3 | 1.35 |
| 8R2K | 8.2 | .028 | 4.5 | 1.30 |
| 100K | 10 | .033 | 4.1 | 1.30 |
| 120K | 12 | .037 | 3.6 | 1.30 |
| 150K | 15 | .040 | 3.3 | 1.28 |
| 180K | 18 | .044 | 3.0 | 1.25 |
| 220K | 22 | .050 | 2.7 | 1.00 |
| 270K | 27 | .058 | 2.5 | 1.00 |
| 330K | 33 | .075 | 2.2 | 1.00 |
| 390K | 39 | .094 | 2.0 | 1.00 |
| 470K | 47 | .109 | 1.8 | 1.00 |
| 560K | 56 | .140 | 1.7 | .840 |
| 680K | 68 | .145 | 1.5 | .610 |
| 820K | 82 | .152 | 1.4 | .520 |
| 101K | 100 | .208 | 1.2 | .520 |
| 121K | 120 | .283 | 1.1 | .420 |
| 151K | 150 | .340 | 1.0 | .420 |
| 181K | 180 | .362 | .95 | .420 |
| 221K | 220 | .430 | .86 | .420 |
| 271K | 270 | .557 | .77 | .330 |
| 331K | 330 | .685 | .70 | .330 |
| 391K | 390 | .772 | .64 | .330 |
| 471K | 470 | 1.15 | .58 | .315 |
| 561K | 560 | 1.27 | .54 | .315 |
| 681K | 680 | 1.61 | .48 | .250 |
| 821K | 820 | 1.96 | .44 | .200 |
| 102K | 1000 | 2.30 | .40 | .200 |
| 122K | 1200 | 2.65 | .35 | .200 |
| 152K | 1500 | 3.45 | .33 | .158 |
| 182K | 1800 | 4.03 | .29 | .158 |
| 222K | 2200 | 4.48 | .27 | .158 |
| 272K | 2700 | 5.80 | .24 | .125 |
| 332K | 3300 | 6.58 | .220 | .125 |
| 392K | 3900 | 8.63 | .200 | .100 |
| 472K | 4700 | 10.50 | .180 | .100 |
| 562K | 5600 | 13.90 | .166 | .082 |
| 682K | 6800 | 16.30 | .151 | .082 |
| 822K | 8200 | 20.80 | .136 | .065 |
| 103K | 10000 | 25.40 | .125 | .050 |
| 123K | 12000 | 29.50 | .114 | .050 |
| 153K | 15000 | 42.50 | .098 | .039 |
| 183K | 18000 | 46.30 | .091 | .039 |

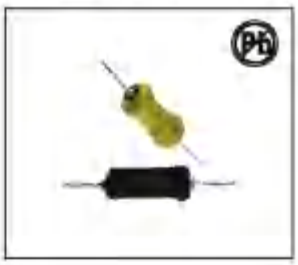
## TECHNICAL INFORMATION:




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

# LCHA1122 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics High Reliability
- High Inductance and Lower RDC

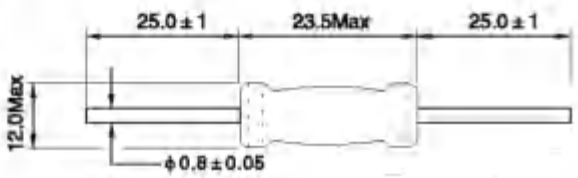
## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## STANDARD SPECIFICATIONS:

| Part Number LCHA1122- | L (μH) | DCR Max. Ω @+20℃ | I Sat A(max) | Idc A(max) |
|---|---|---|---|---|
| 3R9K | 3.9 | .007 | 15.5 | 4.0 |
| 4R7K | 4.7 | .009 | 13.9 | 4.0 |
| 5R6K | 5.6 | .011 | 12.6 | 4.0 |
| 6R8K | 6.8 | .011 | 11.6 | 4.0 |
| 8R2K | 8.2 | .013 | 9.89 | 4.0 |
| 100K | 10 | .017 | 8.70 | 4.0 |
| 120K | 12 | .019 | 8.21 | 4.0 |
| 150K | 15 | .022 | 7.54 | 4.0 |
| 180K | 18 | .023 | 6.84 | 4.0 |
| 220K | 22 | .026 | 6.07 | 4.0 |
| 270K | 27 | .027 | 5.56 | 4.0 |
| 330K | 33 | .032 | 4.82 | 4.0 |
| 390K | 39 | .033 | 4.26 | 4.0 |
| 470K | 47 | .035 | 3.96 | 4.0 |
| 560K | 56 | .037 | 3.66 | 3.2 |
| 680K | 68 | .047 | 3.31 | 2.5 |
| 820K | 82 | .060 | 3.10 | 2.0 |
| 101K | 100 | .080 | 2.79 | 1.6 |
| 121K | 120 | .110 | 5.54 | 1.5 |
| 151K | 150 | .129 | 2.32 | 1.5 |
| 181K | 180 | .150 | 1.96 | 1.5 |
| 221K | 220 | .162 | 1.89 | 1.5 |
| 271K | 270 | .208 | 1.83 | 1.5 |
| 331K | 330 | .212 | 1.51 | 1.5 |
| 391K | 390 | .241 | 1.39 | 1.5 |
| 471K | 470 | .280 | 1.24 | 1.2 |
| 561K | 560 | .420 | 1.17 | 1.0 |
| 681K | 680 | .348 | 1.05 | 1.0 |
| 821K | 820 | .365 | .97 | 0.8 |
| 102K | 1000 | .344 | .87 | 0.8 |
| 122K | 1200 | 1.04 | .79 | 0.6 |
| 152K | 1500 | 1.18 | .70 | 0.6 |
| 182K | 1800 | 1.58 | .64 | 0.6 |
| 222K | 2200 | 2.01 | .56 | 0.5 |
| 272K | 2700 | 2.08 | .53 | 0.4 |
| 332K | 3300 | 2.55 | .47 | 0.4 |
| 392K | 3900 | 2.75 | .43 | 0.4 |
| 472K | 4700 | 3.10 | .39 | 0.4 |
| 562K | 5600 | 3.82 | .359 | 0.315 |
| 682K | 6800 | 5.89 | .305 | 0.250 |
| 822K | 8200 | 6.92 | .293 | 0.250 |
| 103K | 10000 | 7.30 | .266 | 0.200 |
| 123K | 12000 | 9.11 | .241 | 0.200 |
| 153K | 15000 | 15.00 | .214 | 0.200 |
| 183K | 18000 | 14.80 | .188 | 0.158 |
| 223K | 22000 | 21.0 | .160 | 0.125 |
| 273K | 27000 | 22.7 | .162 | 0.125 |
| 333K | 33000 | 25.7 | .146 | 0.125 |
| 393K | 39000 | 31.8 | .135 | 0.100 |
| 473K | 47000 | 36.1 | .122 | 0.100 |
| 563K | 56000 | 40.9 | .112 | 0.100 |
| 683K | 68000 | 57.3 | .101 | 0.082 |
| 823K | 82000 | 75.3 | .090 | 0.065 |
| 104K | 100000 | 92.7 | .081 | 0.065 |

## TECHNICAL INFORMATION:




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE AXIAL UL TUBE POWER CHOKES

# LCHA1425 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics High Reliability
- High Inductance and Lower RDC

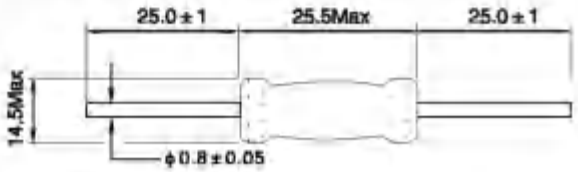
## COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## STANDARD SPECIFICATIONS:

| Part Number LCHA1425- | L (μH) | DCR Max. Ω @+20℃ | I Sat A(max) | Idc A(max) |
|---|---|---|---|---|
| 3R9K | 3.9 | .007 | 47.0 | 6.0 |
| 4R7K | 4.7 | .008 | 42.0 | 6.0 |
| 5R6K | 5.6 | .009 | 38.0 | 6.0 |
| 6R8K | 6.8 | .010 | 35.0 | 6.0 |
| 8R2K | 8.2 | .011 | 31.0 | 6.0 |
| 100K | 10 | .012 | 19.0 | 6.0 |
| 120K | 12 | .013 | 18.0 | 6.0 |
| 150K | 15 | .014 | 14.8 | 6.0 |
| 180K | 18 | .015 | 13.4 | 6.0 |
| 220K | 22 | .016 | 12.4 | 6.0 |
| 270K | 27 | .017 | 11.3 | 6.0 |
| 330K | 33 | .021 | 10.2 | 6.0 |
| 390K | 39 | .023 | 9.3 | 6.0 |
| 470K | 47 | .025 | 8.7 | 6.0 |
| 560K | 56 | .028 | 8.0 | 6.0 |
| 680K | 68 | .029 | 7.0 | 4.7 |
| 820K | 82 | .043 | 6.3 | 4.7 |
| 101K | 100 | .035 | 5.7 | 3.8 |
| 121K | 120 | .078 | 5.3 | 3.0 |
| 151K | 150 | .084 | 4.7 | 3.0 |
| 181K | 180 | .090 | 4.5 | 3.0 |
| 221K | 220 | .108 | 4.0 | 3.0 |
| 271K | 270 | .151 | 3.6 | 3.3 |
| 331K | 330 | .186 | 3.2 | 3.3 |
| 391K | 390 | .192 | 2.9 | 3.3 |
| 471K | 470 | .222 | 2.8 | 3.3 |
| 561K | 560 | .348 | 2.4 | 1.4 |
| 681K | 680 | .470 | 2.2 | 1.2 |
| 821K | 820 | .510 | 2.0 | 1.2 |
| 102K | 1000 | .570 | 1.8 | 1.2 |
| 122K | 1200 | .840 | 1.70 | 1.200 |
| 152K | 1500 | .880 | 1.55 | 0.950 |
| 182K | 1800 | 1.18 | 1.40 | 0.750 |
| 222K | 2200 | 1.20 | 1.25 | 0.750 |
| 272K | 2700 | 1.44 | 1.10 | 0.700 |
| 332K | 3300 | 1.82 | 1.000 | 0.580 |
| 392K | 3900 | 2.16 | 0.900 | 0.580 |
| 472K | 4700 | 2.50 | 0.850 | 0.580 |
| 562K | 5600 | 3.20 | 0.750 | 0.450 |
| 682K | 6800 | 4.00 | 0.700 | 0.440 |
| 822K | 8200 | 5.20 | 0.650 | 0.350 |
| 103K | 10000 | 6.00 | 0.600 | 0.300 |
| 123K | 12000 | 8.00 | 0.540 | 0.270 |
| 153K | 15000 | 10.00 | 0.480 | 0.200 |
| 183K | 18000 | 11.00 | 0.460 | 0.200 |
| 223K | 22000 | 13.00 | 0.360 | 0.200 |
| 273K | 27000 | 15.00 | 0.350 | 0.200 |
| 333K | 33000 | 21.00 | 0.250 | 0.160 |
| 393K | 39000 | 25.00 | 0.200 | 0.160 |
| 473K | 47000 | 30.00 | 0.270 | 0.120 |
| 563K | 56000 | 35.00 | 0.175 | 0.120 |
| 683K | 68000 | 46.00 | 0.145 | 0.095 |
| 823K | 82000 | 54.00 | 0.120 | 0.095 |
| 104K | 100000 | 66.00 | 0.100 | 0.070 |
| 124K | 120000 | 75.00 | 0.080 | 0.070 |
| 154K | 150000 | 84.00 | 0.080 | 0.070 |

## TECHNICAL INFORMATION:




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0406 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## ELECTRICAL CHARACTERISTICS:

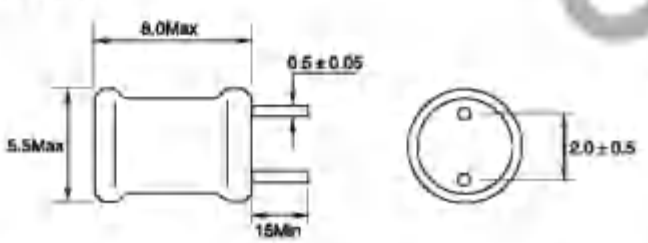
| Part No | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Min. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---|---|---|---|---|---|---|
| LCHB0406-1R0M | 1.0 | 100 | 7.96MHz | 120.00 | 0.035 | 2000 |
| LCHB0406-1R2M | 1.2 | 100 | 7.96MHz | 120.00 | 0.055 | 1650 |
| LCHB0406-1R5M | 1.5 | 100 | 7.96MHz | 120.00 | 0.075 | 1900 |
| LCHB0406-1R8M | 1.8 | 100 | 7.96MHz | 120.00 | 0.110 | 1800 |
| LCHB0406-2R2M | 2.2 | 100 | 7.96MHz | 100.00 | 0.120 | 1750 |
| LCHB0406-2R7M | 2.7 | 100 | 7.96MHz | 80.00 | 0.125 | 1650 |
| LCHB0406-3R3M | 3.3 | 100 | 7.96MHz | 75.00 | 0.130 | 1500 |
| LCHB0406-3R9M | 3.9 | 100 | 7.96MHz | 70.00 | 0.135 | 1460 |
| LCHB0406-4R7K | 4.7 | 100 | 7.96MHz | 50.00 | 0.140 | 1320 |
| LCHB0406-5R6K | 5.6 | 100 | 7.96MHz | 45.00 | 0.145 | 1250 |
| LCHB0406-6R8K | 6.8 | 100 | 7.96MHz | 30.00 | 0.150 | 1150 |
| LCHB0406-8R2K | 8.2 | 100 | 7.96MHz | 22.00 | 0.180 | 1100 |
| LCHB0406-100K | 10.0 | 80 | 2.52MHz | 20.00 | 0.230 | 1000 |
| LCHB0406-120K | 12.0 | 80 | 2.52MHz | 17.00 | 0.240 | 970 |
| LCHB0406-150K | 15.0 | 80 | 2.52MHz | 16.00 | 0.250 | 920 |
| LCHB0406-180K | 18.0 | 80 | 2.52MHz | 12.00 | 0.330 | 860 |
| LCHB0406-220K | 22.0 | 80 | 2.52MHz | 10.00 | 0.450 | 800 |
| LCHB0406-270K | 27.0 | 80 | 2.52MHz | 9.50 | 0.500 | 710 |
| LCHB0406-330K | 33.0 | 80 | 2.52MHz | 9.70 | 0.700 | 660 |
| LCHB0406-390K | 39.0 | 70 | 2.52MHz | 8.20 | 0.740 | 600 |
| LCHB0406-470K | 47.0 | 70 | 2.52MHz | 7.80 | 0.780 | 550 |
| LCHB0406-560K | 56.0 | 50 | 2.52MHz | 7.80 | 0.800 | 500 |
| LCHB0406-680K | 68.0 | 50 | 2.52MHz | 6.80 | 0.900 | 470 |
| LCHB0406-820K | 82.0 | 50 | 2.52MHz | 6.00 | 0.950 | 430 |
| LCHB0406-101K | 100.0 | 45 | 796KHz | 5.00 | 1.000 | 400 |
| LCHB0406-121K | 120.0 | 45 | 796KHz | 5.50 | 1.100 | 370 |

| Part No. | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Min. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---|---|---|---|---|---|---|
| LCHB0406-151K | 150.0 | 55 | 796KHz | 4.20 | 1.300 | 350 |
| LCHB0406-181K | 180.0 | 55 | 796KHz | 3.80 | 1.500 | 320 |
| LCHB0406-221K | 220.0 | 55 | 796KHz | 2.80 | 1.900 | 300 |
| LCHB0406-271K | 270.0 | 50 | 796KHz | 2.40 | 1.900 | 275 |
| LCHB0406-331K | 330.0 | 50 | 796KHz | 2.20 | 2.200 | 250 |
| LCHB0406-391K | 390.0 | 50 | 796KHz | 2.00 | 2.700 | 220 |
| LCHB0406-471K | 470.0 | 50 | 796KHz | 1.70 | 3.600 | 200 |
| LCHB0406-561K | 560.0 | 50 | 796KHz | 1.50 | 4.300 | 180 |
| LCHB0406-681K | 680.0 | 50 | 796KHz | 1.30 | 4.800 | 170 |
| LCHB0406-821K | 820.0 | 50 | 796KHz | 1.10 | 5.700 | 155 |
| LCHB0406-102K | 1000.0 | 90 | 252KHz | 1.00 | 8.700 | 150 |
| LCHB0406-122K | 1200.0 | 90 | 252KHz | 0.90 | 9.200 | 140 |
| LCHB0406-152K | 1500.0 | 90 | 252KHz | 0.80 | 13.000 | 120 |
| LCHB0406-182K | 1800.0 | 90 | 252KHz | 0.80 | 15.000 | 110 |
| LCHB0406-222K | 2200.0 | 90 | 252KHz | 0.80 | 17.000 | 100 |
| LCHB0406-272K | 2700.0 | 90 | 252KHz | 0.80 | 19.000 | 90 |
| LCHB0406-332K | 3300.0 | 70 | 252KHz | 0.70 | 26.000 | 85 |
| LCHB0406-392K | 3900.0 | 70 | 252KHz | 0.65 | 30.000 | 78 |
| LCHB0406-472K | 4700.0 | 65 | 252KHz | | 45.000 | 70 |
| LCHB0406-562K | 5600.0 | 65 | 252KHz | | 48.000 | 62 |
| LCHB0406-682K | 6800.0 | 65 | 252KHz | | 56.000 | 56 |
| LCHB0406-822K | 8200.0 | 65 | 252KHz | | 62.000 | 52 |
| LCHB0406-103K | 10000.0 | 45 | 79.6KHz | | 72.000 | 47 |
| LCHB0406-153K | 15000.0 | 45 | 79.6KHz | | 120.000 | 35 |
| LCHB0406-223K | 22000.0 | 45 | 79.6KHz | | 160.000 | 24 |
| LCHB0406-333K | 33000.0 | 45 | 79.6KHz | | 180.000 | 20 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




Testing LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0608 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## ELECTRICAL CHARACTERISTICS:

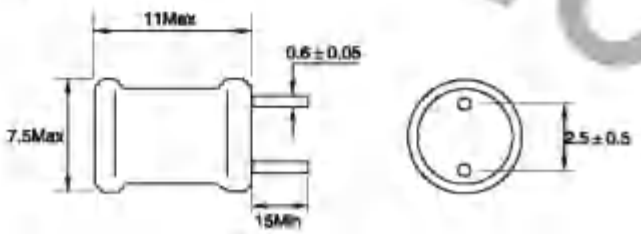
| Part No | L@1KHz (uH) | Q Min. | Q Test Freq. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---|---|---|---|---|---|
| LCHB0608-3R3K | 3.3 | 20 | 7.96MHz | 0.016 | 3500 |
| LCHB0608-4R7K | 4.7 | 20 | 7.96MHz | 0.020 | 3000 |
| LCHB0608-6R8K | 6.8 | 20 | 7.96MHz | 0.022 | 2500 |
| LCHB0608-100K | 10.0 | 30 | 2.52MHz | 0.030 | 3000 |
| LCHB0608-150K | 15.0 | 30 | 2.52MHz | 0.045 | 1700 |
| LCHB0608-220K | 22.0 | 30 | 2.52MHz | 0.062 | 1400 |
| LCHB0608-330K | 33.0 | 30 | 2.52MHz | 0.100 | 1100 |
| LCHB0608-470K | 47.0 | 30 | 2.52MHz | 0.150 | 950 |
| LCHB0608-680K | 68.0 | 30 | 2.52MHz | 0.220 | 800 |
| LCHB0608-101K | 100.0 | 20 | 796kHz | 0.300 | 650 |
| LCHB0608-151K | 150.0 | 20 | 796kHz | 0.430 | 540 |
| LCHB0608-221K | 220.0 | 20 | 796kHz | 0.900 | 440 |
| LCHB0608-331K | 330.0 | 20 | 796kHz | 1.500 | 360 |
| LCHB0608-471K | 470.0 | 20 | 796kHz | 1.800 | 300 |
| LCHB0608-681K | 680.0 | 20 | 796kHz | 2.500 | 250 |
| LCHB0608-102K | 1000.0 | 100 | 252kHz | 3.200 | 200 |
| LCHB0608-122K | 1200.0 | 70 | 252kHz | 3.500 | 180 |
| LCHB0608-152K | 1500.0 | 70 | 252kHz | 4.500 | 170 |
| LCHB0608-182K | 1800.0 | 70 | 252kHz | 6.000 | 156 |
| LCHB0608-222K | 2200.0 | 70 | 252kHz | 6.800 | 140 |
| LCHB0608-272K | 2700.0 | 70 | 252kHz | 7.200 | 125 |
| LCHB0608-332K | 3300.0 | 70 | 252kHz | 10.500 | 115 |

| Part No | L@1KHz (uH) | Q Min. | Q Test Freq. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---|---|---|---|---|---|
| LCHB0608-392K | 3900.0 | 70 | 252kHz | 11.700 | 105 |
| LCHB0608-472K | 4700.0 | 70 | 252kHz | 13.800 | 95 |
| LCHB0608-562K | 5600.0 | 70 | 252kHz | 16.600 | 85 |
| LCHB0608-682K | 6800.0 | 70 | 252kHz | 19.800 | 80 |
| LCHB0608-822K | 8200.0 | 70 | 252kHz | 25.200 | 70 |
| LCHB0608-103K | 10000.0 | 70 | 79.6kHz | 29.500 | 65 |
| LCHB0608-123K | 12000.0 | 50 | 79.6kHz | 33.900 | 60 |
| LCHB0608-153K | 15000.0 | 50 | 79.6kHz | 45.400 | 55 |
| LCHB0608-183K | 18000.0 | 50 | 79.6kHz | 50.400 | 50 |
| LCHB0608-223K | 22000.0 | 50 | 79.6kHz | 90.000 | 45 |
| LCHB0608-303K | 30000.0 | 50 | 79.6kHz | 91.500 | 40 |
| LCHB0608-333K | 33000.0 | 50 | 79.6kHz | 98.500 | 35 |
| LCHB0608-393K | 39000.0 | 50 | 79.6kHz | 140.000 | 32 |
| LCHB0608-473K | 47000.0 | 50 | 79.6kHz | 160.000 | 30 |
| LCHB0608-503K | 50000.0 | 50 | 79.6kHz | 170.000 | 29 |
| LCHB0608-563K | 56000.0 | 50 | 79.6kHz | 230.000 | 28 |
| LCHB0608-683K | 68000.0 | 50 | 79.6kHz | 262.000 | 25 |
| LCHB0608-823K | 82000.0 | 50 | 79.6kHz | 312.000 | 23 |
| LCHB0608-104K | 100000.0 | 30 | 25.2kHz | 380.000 | 20 |
| LCHB0608-124K | 120000.0 | 30 | 25.2kHz | 430.000 | 18 |
| LCHB0608-154K | 150000.0 | 30 | 25.2kHz | 520.000 | 16 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: DuoTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0707 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

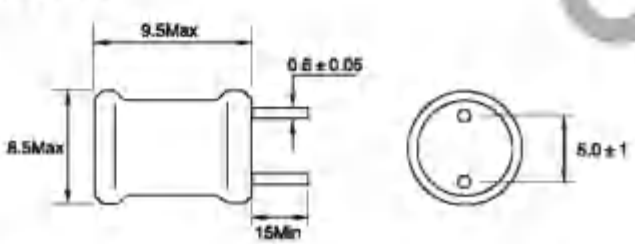
## ELECTRICAL CHARACTERISTICS:

| Part No. | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Typ. | DCR(Ω) Max. | Rated Current (A)Max. | |
|---|---|---|---|---|---|---|---|
| | | | | | | I sat | I rms |
| LCHB0707-1R0M | 1.0 | 10 | 7.96MHz | 70.0 | 0.006 | 6.60 | 5.00 |
| LCHB0707-1R5M | 1.5 | 10 | 7.96MHz | 56.0 | 0.008 | 5.40 | 4.30 |
| LCHB0707-2R2M | 2.2 | 10 | 7.96MHz | 45.0 | 0.011 | 4.00 | 3.70 |
| LCHB0707-3R3M | 3.3 | 10 | 7.96MHz | 36.0 | 0.018 | 3.60 | 2.90 |
| LCHB0707-4R7M | 4.7 | 10 | 7.96MHz | 29.0 | 0.022 | 3.10 | 2.60 |
| LCHB0707-6R8M | 6.8 | 10 | 7.96MHz | 24.0 | 0.028 | 2.50 | 2.30 |
| LCHB0707-100K | 10.0 | 20 | 2.52MHz | 19.0 | 0.043 | 2.10 | 1.90 |
| LCHB0707-150K | 15.0 | 20 | 2.52MHz | 15.0 | 0.056 | 1.70 | 1.60 |
| LCHB0707-220K | 22.0 | 20 | 2.52MHz | 12.0 | 0.086 | 1.40 | 1.30 |
| LCHB0707-330K | 33.0 | 20 | 2.52MHz | 9.4 | 0.140 | 1.10 | 1.00 |
| LCHB0707-470K | 47.0 | 20 | 2.52MHz | 7.6 | 0.170 | 0.96 | 0.94 |
| LCHB0707-680K | 68.0 | 20 | 2.52MHz | 6.2 | 0.280 | 0.79 | 0.73 |
| LCHB0707-101K | 100.0 | 20 | 796kHz | 5.0 | 0.330 | 0.66 | 0.67 |
| LCHB0707-151K | 150.0 | 20 | 796kHz | 4.0 | 0.560 | 0.53 | 0.52 |
| LCHB0707-221K | 220.0 | 20 | 796kHz | 3.2 | 0.720 | 0.44 | 0.46 |
| LCHB0707-331K | 330.0 | 20 | 796kHz | 2.5 | 1.100 | 0.36 | 0.37 |
| LCHB0707-471K | 470.0 | 20 | 796kHz | 2.0 | 1.700 | 0.30 | 0.30 |
| LCHB0707-681K | 680.0 | 20 | 796kHz | 1.7 | 2.300 | 0.25 | 0.26 |
| LCHB0707-102K | 1000.0 | 70 | 252kHz | 1.3 | 4.300 | 0.20 | 0.18 |
| LCHB0707-152K | 1500.0 | 50 | 252kHz | 1.3 | 5.000 | 0.17 | 0.16 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




Testing LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0806 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

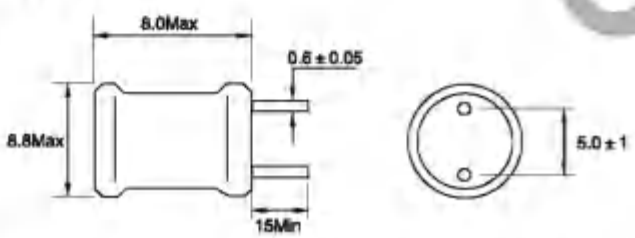
## ELECTRICAL CHARACTERISTICS:

| Part Number LCHB0806- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 220K | 220 | 22 | 0.11 | 1.27 |
| 270K | 270 | 27 | 0.14 | 1.14 |
| 330K | 330 | 33 | 0.17 | 1.03 |
| 390K | 390 | 39 | 0.19 | 0.95 |
| 470K | 470 | 47 | 0.23 | 0.87 |
| 560K | 560 | 56 | 0.26 | 0.80 |
| 680K | 680 | 68 | 0.28 | 0.72 |
| 820K | 820 | 82 | 0.39 | 0.66 |
| 101K | 101 | 100 | 0.43 | 0.59 |
| 121K | 121 | 120 | 0.54 | 0.54 |
| 151K | 151 | 150 | 0.64 | 0.48 |
| 181K | 181 | 180 | 0.74 | 0.44 |
| 221K | 221 | 220 | 0.96 | 0.40 |
| 271K | 271 | 270 | 1.12 | 0.36 |
| 331K | 331 | 330 | 1.48 | 0.33 |
| 391K | 391 | 390 | 1.66 | 0.30 |
| 471K | 471 | 470 | 1.91 | 0.27 |
| 561K | 561 | 560 | 2.31 | 0.25 |
| 681K | 681 | 680 | 2.67 | 0.23 |
| 821K | 821 | 820 | 3.10 | 0.21 |
| 102K | 102 | 1000 | 4.45 | 0.19 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.



SHINHOM

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0807 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

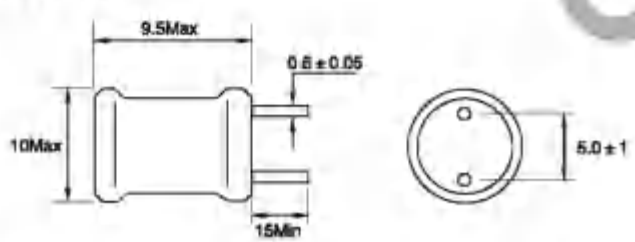
## ELECTRICAL CHARACTERISTICS:

| Part No. | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Typ | DCR(Ω) Max. | Rated Current (A)Max. | |
|---|---|---|---|---|---|---|---|
| | | | | | | Isat | Irms |
| LCHB0807-2R2M | 2.2 | 10 | 7.96MHz | 60.0 | 0.011 | 5.50 | 4.00 |
| LCHB0807-3R3M | 3.3 | 10 | 7.96MHz | 38.0 | 0.013 | 3.80 | 3.40 |
| LCHB0807-4R7M | 4.7 | 10 | 7.96MHz | 30.0 | 0.017 | 3.70 | 3.00 |
| LCHB0807-6R8M | 6.8 | 10 | 7.96MHz | 24.0 | 0.023 | 2.80 | 2.60 |
| LCHB0807-100K | 10.0 | 20 | 2.52MHz | 19.0 | 0.031 | 2.50 | 2.20 |
| LCHB0807-150K | 15.0 | 20 | 2.52MHz | 15.0 | 0.042 | 2.00 | 1.90 |
| LCHB0807-220K | 22.0 | 20 | 2.52MHz | 12.0 | 0.070 | 1.60 | 1.50 |
| LCHB0807-330K | 33.0 | 20 | 2.52MHz | 10.0 | 0.092 | 1.30 | 1.20 |
| LCHB0807-470K | 47.0 | 20 | 2.52MHz | 8.2 | 0.130 | 1.10 | 1.00 |
| LCHB0807-680K | 68.0 | 20 | 2.52MHz | 6.6 | 0.180 | 0.91 | 0.97 |
| LCHB0807-101K | 100.0 | 15 | 796kHz | 5.4 | 0.230 | 0.75 | 0.81 |
| LCHB0807-151K | 150.0 | 15 | 796kHz | 4.3 | 0.400 | 0.61 | 0.61 |
| LCHB0807-221K | 220.0 | 15 | 796kHz | 3.5 | 0.530 | 0.50 | 0.53 |
| LCHB0807-331K | 330.0 | 15 | 796kHz | 2.8 | 0.780 | 0.41 | 0.44 |
| LCHB0807-471K | 470.0 | 10 | 796kHz | 2.3 | 1.000 | 0.34 | 0.39 |
| LCHB0807-681K | 680.0 | 10 | 796kHz | 1.9 | 1.500 | 0.28 | 0.32 |
| LCHB0807-102K | 1000.0 | 20 | 252kHz | 1.5 | 2.200 | 0.23 | 0.26 |
| LCHB0807-152K | 1500.0 | 30 | 252kHz | 1.2 | 3.500 | 0.18 | 0.21 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0810 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

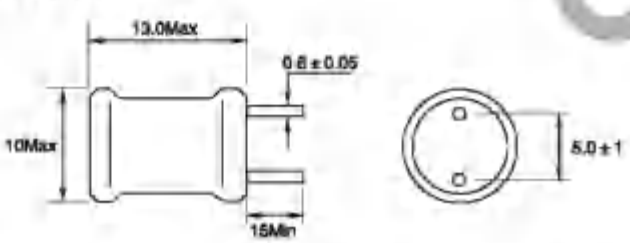
## ELECTRICAL CHARACTERISTICS:

| Part No. | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Typ. | DCR(Ω) Max. | Rated DC Current (mA)Max. |
|---|---|---|---|---|---|---|
| LCHB0810-3R3M | 3.3 | 30 | 7.96MHz | 65.00 | 0.012 | 5000 |
| LCHB0810-3R9K | 3.9 | 30 | 7.96MHz | 55.00 | 0.014 | 4600 |
| LCHB0810-4R7K | 4.7 | 30 | 7.96MHz | 45.00 | 0.016 | 4300 |
| LCHB0810-5R6K | 5.6 | 30 | 7.96MHz | 35.00 | 0.020 | 3800 |
| LCHB0810-6R8K | 6.8 | 30 | 7.96MHz | 27.00 | 0.022 | 3700 |
| LCHB0810-8R2K | 8.2 | 30 | 7.96MHz | 21.00 | 0.024 | 3500 |
| LCHB0810-100K | 10.0 | 50 | 2.52MHz | 17.00 | 0.025 | 3200 |
| LCHB0810-120K | 12.0 | 50 | 2.52MHz | 15.00 | 0.027 | 3000 |
| LCHB0810-150K | 15.0 | 50 | 2.52MHz | 13.00 | 0.033 | 2800 |
| LCHB0810-180K | 18.0 | 50 | 2.52MHz | 12.00 | 0.039 | 2600 |
| LCHB0810-220K | 22.0 | 50 | 2.52MHz | 11.00 | 0.047 | 2400 |
| LCHB0810-270K | 27.0 | 50 | 2.52MHz | 10.00 | 0.052 | 2150 |
| LCHB0810-330K | 33.0 | 50 | 2.52MHz | 8.50 | 0.075 | 1900 |
| LCHB0810-390K | 39.0 | 40 | 2.52MHz | 7.70 | 0.082 | 1700 |
| LCHB0810-470K | 47.0 | 40 | 2.52MHz | 6.70 | 0.100 | 1500 |
| LCHB0810-560K | 56.0 | 40 | 2.52MHz | 6.40 | 0.150 | 1300 |
| LCHB0810-680K | 68.0 | 30 | 2.52MHz | 5.80 | 0.180 | 1200 |
| LCHB0810-820K | 82.0 | 30 | 2.52MHz | 5.20 | 0.200 | 1100 |
| LCHB0810-101K | 100.0 | 30 | 796kHz | 4.40 | 0.200 | 800 |
| LCHB0810-121K | 120.0 | 30 | 796kHz | 4.20 | 0.220 | 800 |
| LCHB0810-151K | 150.0 | 30 | 796kHz | 3.70 | 0.240 | 720 |
| LCHB0810-181K | 180.0 | 30 | 796kHz | 3.50 | 0.280 | 650 |
| LCHB0810-221K | 220.0 | 20 | 796kHz | 3.30 | 0.350 | 600 |
| LCHB0810-271K | 270.0 | 20 | 796kHz | 2.90 | 0.400 | 560 |
| LCHB0810-331K | 330.0 | 20 | 796kHz | 2.60 | 0.470 | 500 |
| LCHB0810-391K | 390.0 | 20 | 796kHz | 2.40 | 0.680 | 460 |
| LCHB0810-471K | 470.0 | 20 | 796kHz | 2.20 | 0.800 | 420 |
| LCHB0810-561K | 560.0 | 20 | 796kHz | 2.00 | 1.000 | 380 |
| LCHB0810-681K | 680.0 | 20 | 796kHz | 1.80 | 1.200 | 350 |
| LCHB0810-821K | 820.0 | 20 | 796kHz | 1.70 | 1.500 | 310 |
| LCHB0810-102K | 1000.0 | 40 | 252kHz | 1.50 | 1.800 | 280 |
| LCHB0810-122K | 1200.0 | 40 | 252kHz | 1.40 | 2.000 | 250 |
| LCHB0810-152K | 1500.0 | 40 | 252kHz | 1.30 | 2.400 | 230 |
| LCHB0810-182K | 1800.0 | 40 | 252kHz | 1.10 | 2.800 | 210 |
| LCHB0810-222K | 2200.0 | 40 | 252kHz | 1.00 | 3.300 | 190 |
| LCHB0810-272K | 2700.0 | 40 | 252kHz | 0.88 | 5.000 | 170 |
| LCHB0810-332K | 3300.0 | 40 | 252kHz | 0.78 | 5.600 | 150 |
| LCHB0810-392K | 3900.0 | 40 | 252kHz | 0.72 | 6.200 | 140 |
| LCHB0810-472K | 4700.0 | 40 | 252kHz | 0.66 | 7.000 | 130 |
| LCHB0810-562K | 5600.0 | 40 | 252kHz | 0.58 | 9.100 | 120 |
| LCHB0810-682K | 6800.0 | 40 | 252kHz | 0.55 | 10.000 | 110 |
| LCHB0810-822K | 8200.0 | 20 | 252kHz | 0.50 | 15.000 | 100 |
| LCHB0810-103K | 10000.0 | 20 | 79.6kHz | 0.42 | 24.000 | 90 |
| LCHB0810-473K | 47000.0 | 60 | 79.6kHz | 0.20 | 80.000 | 40 |
| LCHB0810-104K | 100000.0 | 20 | 79.6kHz | 0.14 | 180.000 | 28 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB0912 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

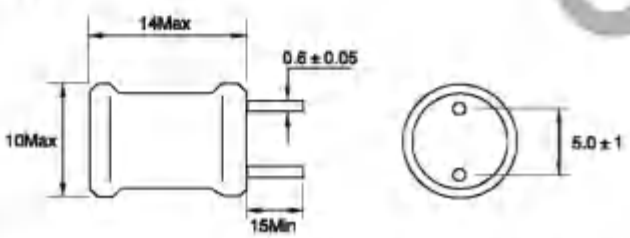
## ELECTRICAL CHARACTERISTICS:

| Part Number LCHB0912- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 100K | 100 | 10 | 0.027 | 4.5 |
| 120K | 120 | 12 | 0.031 | 4.1 |
| 150K | 150 | 15 | 0.036 | 3.7 |
| 180K | 180 | 18 | 0.049 | 3.4 |
| 220K | 220 | 22 | 0.055 | 3.1 |
| 270K | 270 | 27 | 0.062 | 2.8 |
| 330K | 330 | 33 | 0.079 | 2.5 |
| 390K | 390 | 39 | 0.087 | 2.3 |
| 470K | 470 | 47 | 0.099 | 2.1 |
| 560K | 560 | 56 | 0.13 | 1.9 |
| 680K | 680 | 68 | 0.14 | 1.7 |
| 820K | 820 | 82 | 0.16 | 1.6 |
| 101K | 101 | 100 | 0.21 | 1.4 |
| 121K | 121 | 120 | 0.24 | 1.3 |
| 151K | 151 | 150 | 0.32 | 1.2 |
| 181K | 181 | 180 | 0.35 | 1.1 |
| 221K | 221 | 220 | 0.45 | 0.96 |
| 271K | 271 | 270 | 0.61 | 0.87 |
| 331K | 331 | 330 | 0.69 | 0.79 |
| 391K | 391 | 390 | 0.76 | 0.72 |
| 471K | 471 | 470 | 1.0 | 0.66 |
| 561K | 561 | 560 | 1.2 | 0.60 |
| 681K | 681 | 680 | 1.4 | 0.55 |
| 821K | 821 | 820 | 1.8 | 0.50 |
| 102K | 102 | 1000 | 2.1 | 0.45 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.



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# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB1010 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

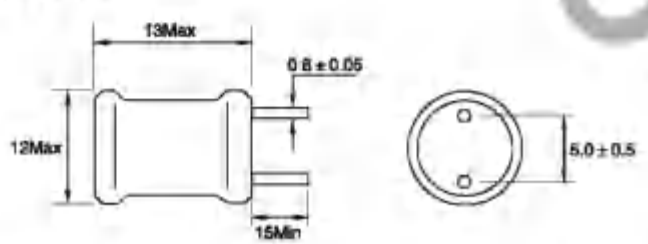
## ELECTRICAL CHARACTERISTICS:

| Part No. | L@1KHz (uH) | Q Min. | Q Test Freq. | SRF (MHz) Typ. | DCR(Ω) Max. | Rated Current (A)Max. | |
|---|---|---|---|---|---|---|---|
| | | | | | | Isat | Irms |
| LCHB1010-3R3M | 3.3 | 10 | 7.96MHz | 36 | 0.010 | 6.8 | 5.9 |
| LCHB1010-4R7M | 4.7 | 10 | 7.96MHz | 28 | 0.015 | 7.2 | 4.8 |
| LCHB1010-6R8M | 6.8 | 10 | 7.96MHz | 18 | 0.016 | 6.1 | 4.6 |
| LCHB1010-100M | 10 | 20 | 2.52MHz | 16 | 0.025 | 5.0 | 3.7 |
| LCHB1010-150M | 15 | 20 | 2.52MHz | 12 | 0.029 | 4.2 | 3.4 |
| LCHB1010-220K | 22 | 20 | 2.52MHz | 9.5 | 0.040 | 3.4 | 2.8 |
| LCHB1010-330K | 33 | 30 | 2.52MHz | 7.0 | 0.062 | 2.8 | 2.3 |
| LCHB1010-470K | 47 | 30 | 2.52MHz | 5.8 | 0.075 | 2.3 | 2.1 |
| LCHB1010-680K | 68 | 20 | 2.52MHz | 4.7 | 0.130 | 1.9 | 1.6 |
| LCHB1010-101K | 100 | 20 | 796kHz | 3.8 | 0.160 | 1.6 | 1.4 |
| LCHB1010-151K | 150 | 20 | 796kHz | 3.1 | 0.260 | 1.3 | 1.1 |
| LCHB1010-221K | 220 | 20 | 796kHz | 2.5 | 0.330 | 1.1 | 1.0 |
| LCHB1010-331K | 330 | 20 | 796kHz | 2.0 | 0.520 | 0.88 | 0.82 |
| LCHB1010-471K | 470 | 10 | 796kHz | 1.6 | 0.660 | 0.75 | 0.72 |
| LCHB1010-681K | 680 | 10 | 796kHz | 1.3 | 1.100 | 0.61 | 0.56 |
| LCHB1010-102K | 1000 | 20 | 252kHz | 1.1 | 1.400 | 0.51 | 0.50 |
| LCHB1010-152K | 1500 | 30 | 252kHz | 0.82 | 2.400 | 0.43 | 0.38 |
| LCHB1010-222K | 2200 | 20 | 252kHz | 0.75 | 3.200 | 0.35 | 0.33 |
| LCHB1010-332K | 3300 | 20 | 252kHz | 0.64 | 4.900 | 0.28 | 0.26 |
| LCHB1010-472K | 4700 | 20 | 252kHz | 0.54 | 7.600 | 0.24 | 0.21 |
| LCHB1010-682K | 6800 | 20 | 252kHz | 0.45 | 9.800 | 0.20 | 0.18 |
| LCHB1010-103K | 10000 | 20 | 79.6kHz | 0.38 | 18.000 | 0.17 | 0.14 |
| LCHB1010-153K | 15000 | 50 | 79.6kHz | 0.29 | 24.000 | 0.13 | 0.12 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers Inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB1012 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

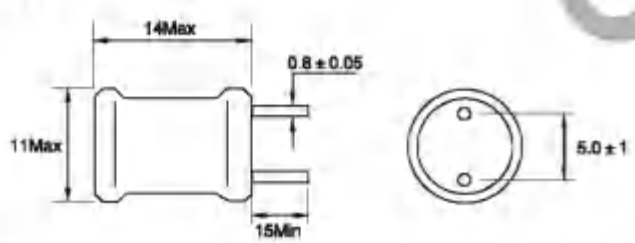
## ELECTRICAL CHARACTERISTICS:

| Part Number LCHB1012- | Marking | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|---|
| 100K | 100 | 10 | 0.022 | 5.3 |
| 120K | 120 | 12 | 0.023 | 4.9 |
| 150K | 150 | 15 | 0.026 | 4.4 |
| 180K | 180 | 18 | 0.033 | 4.0 |
| 220K | 220 | 22 | 0.037 | 3.6 |
| 270K | 270 | 27 | 0.048 | 3.3 |
| 330K | 330 | 33 | 0.055 | 2.9 |
| 390K | 390 | 39 | 0.073 | 2.7 |
| 470K | 470 | 47 | 0.083 | 2.5 |
| 560K | 560 | 56 | 0.092 | 2.3 |
| 680K | 680 | 68 | 0.12 | 2.1 |
| 820K | 820 | 82 | 0.14 | 1.9 |
| 101K | 101 | 100 | 0.16 | 1.7 |
| 121K | 121 | 120 | 0.20 | 1.5 |
| 151K | 151 | 150 | 0.23 | 1.4 |
| 181K | 181 | 180 | 0.31 | 1.3 |
| 221K | 221 | 220 | 0.34 | 1.1 |
| 271K | 271 | 270 | 0.40 | 1.0 |
| 331K | 331 | 330 | 0.52 | 0.93 |
| 391K | 391 | 390 | 0.65 | 0.86 |
| 471K | 471 | 470 | 0.71 | 0.78 |
| 561K | 561 | 560 | 1.0 | 0.71 |
| 681K | 681 | 680 | 1.0 | 0.65 |
| 821K | 821 | 820 | 1.3 | 0.59 |
| 102K | 102 | 1000 | 1.7 | 0.53 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.



SHINHOM

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB1016 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## ELECTRICAL CHARACTERISTICS:

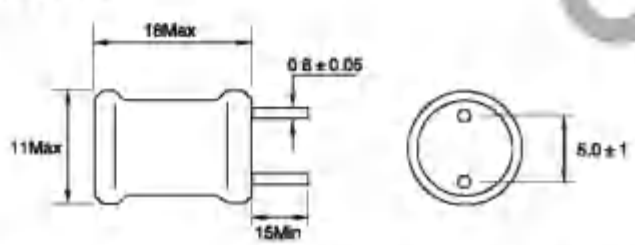
| Part Number LCHB1016- | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|
| 100K | 10 | 0.031 | 5.0 |
| 120K | 12 | 0.035 | 5.0 |
| 150K | 15 | 0.040 | 5.0 |
| 180K | 18 | 0.041 | 5.0 |
| 220K | 22 | 0.043 | 5.0 |
| 270K | 27 | 0.046 | 5.0 |
| 330K | 33 | 0.051 | 3.6 |
| 390K | 39 | 0.054 | 3.6 |
| 470K | 47 | 0.063 | 3.6 |
| 560K | 56 | 0.075 | 3.0 |
| 680K | 68 | 0.078 | 3.0 |
| 820K | 82 | 0.088 | 2.6 |
| 101K | 100 | 0.108 | 2.0 |
| 121K | 120 | 0.127 | 2.0 |
| 151K | 150 | 0.162 | 1.6 |
| 181K | 180 | 0.128 | 1.3 |
| 221K | 220 | 0.252 | 1.3 |
| 271K | 270 | 0.290 | 1.3 |
| 331K | 330 | 0.394 | 1.0 |
| 391K | 390 | 0.416 | 1.0 |
| 471K | 470 | 0.568 | 0.8 |
| 561K | 560 | 0.650 | 0.8 |
| 681K | 680 | 0.740 | 0.8 |
| 821K | 820 | 1.00 | 0.62 |
| 102K | 1000 | 1.20 | 0.55 |

| Part Number LCHB1016- | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|
| 122K | 1200 | 1.50 | 0.49 |
| 152K | 1500 | 1.70 | 0.49 |
| 182K | 1800 | 1.80 | 0.385 |
| 222K | 2200 | 2.40 | 0.385 |
| 272K | 2700 | 2.80 | 0.385 |
| 332K | 3300 | 3.70 | 0.300 |
| 392K | 3900 | 5.00 | 0.250 |
| 472K | 4700 | 5.60 | 0.250 |
| 562K | 5600 | 6.30 | 0.250 |
| 682K | 6800 | 8.40 | 0.190 |
| 822K | 8200 | 9.60 | 0.190 |
| 103K | 10000 | 10.50 | 0.190 |
| 123K | 12000 | 14.05 | 0.150 |
| 153K | 15000 | 20.5 | 0.120 |
| 183K | 18000 | 27.5 | 0.095 |
| 223K | 22000 | 31.0 | 0.095 |
| 273K | 27000 | 35.5 | 0.095 |
| 333K | 33000 | 40.0 | 0.095 |
| 393K | 39000 | 51.0 | 0.095 |
| 473K | 47000 | 56.0 | 0.095 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimension: mm




Testing LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB1018 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

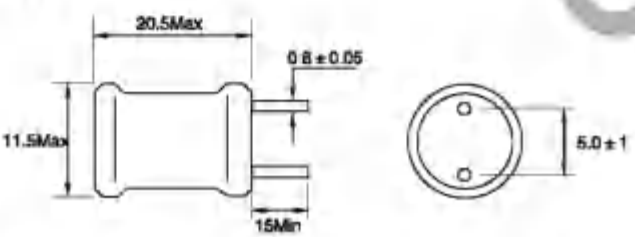
## ELECTRICAL CHARACTERISTICS:

| Part No. | L@1KHz (uH) | DCR(Ω) Max. | Rated Current (A)Max. | |
|---|---|---|---|---|
| | | | I sat | I rms |
| LCHB1018-4R7K | 4.7 | 0.008 | 10.00 | 6.00 |
| LCHB1018-6R8K | 6.8 | 0.011 | 8.00 | 5.50 |
| LCHB1018-100K | 10.0 | 0.017 | 7.00 | 4.50 |
| LCHB1018-150K | 15.0 | 0.022 | 5.50 | 4.00 |
| LCHB1018-220K | 22.0 | 0.026 | 4.50 | 3.70 |
| LCHB1018-330K | 33.0 | 0.032 | 3.80 | 3.30 |
| LCHB1018-470K | 47.0 | 0.035 | 3.20 | 3.00 |
| LCHB1018-680K | 68.0 | 0.047 | 2.60 | 2.60 |
| LCHB1018-101K | 100.0 | 0.090 | 2.20 | 2.00 |
| LCHB1018-151K | 150.0 | 0.129 | 1.80 | 1.60 |
| LCHB1018-221K | 220.0 | 0.162 | 1.50 | 1.50 |
| LCHB1018-331K | 330.0 | 0.212 | 1.20 | 1.20 |
| LCHB1018-471K | 470.0 | 0.380 | 1.00 | 1.00 |
| LCHB1018-681K | 680.0 | 0.548 | 0.84 | 0.84 |
| LCHB1018-102K | 1000.0 | 0.844 | 0.66 | 0.66 |
| LCHB1018-152K | 1500.0 | 1.180 | 0.55 | 0.55 |
| LCHB1018-222K | 2200 | 2.000 | 0.46 | 0.44 |
| LCHB1018-332K | 3300 | 2.530 | 0.38 | 0.38 |
| LCHB1018-472K | 4700 | 3.190 | 0.32 | 0.32 |
| LCHB1018-682K | 6800 | 5.690 | 0.26 | 0.25 |
| LCHB1018-103K | 10000 | 7.300 | 0.22 | 0.22 |
| LCHB1018-153K | 15000 | 10.500 | 0.18 | 0.18 |
| LCHB1018-223K | 22000 | 21.800 | 0.14 | 0.13 |
| LCHB1018-333K | 33000 | 25.700 | 0.12 | 0.12 |
| LCHB1018-473K | 47000 | 36.100 | 0.10 | 0.10 |
| LCHB1018-683K | 68000 | 57.300 | 0.08 | 0.08 |
| LCHB1018-104K | 100000 | 89.700 | 0.06 | 0.06 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing LCR Bridge measured @ 100Hz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB1213 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

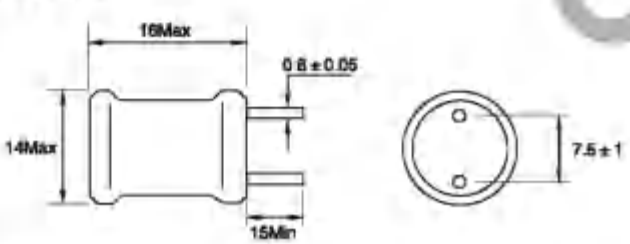
## ELECTRICAL CHARACTERISTICS:

| Part No. | L@1KHz (uH) | DCR(Ω) Max. | Rated Current (A)Max. | |
|---|---|---|---|---|
| | | | I sat | I rms |
| LCHB1213-100M | 10 | 0.023 | 8.00 | 5.10 |
| LCHB1213-150K | 15 | 0.028 | 6.50 | 4.50 |
| LCHB1213-220K | 22 | 0.035 | 5.50 | 4.20 |
| LCHB1213-330K | 33 | 0.043 | 4.50 | 3.70 |
| LCHB1213-470K | 47 | 0.052 | 3.60 | 3.40 |
| LCHB1213-680K | 68 | 0.068 | 3.10 | 3.00 |
| LCHB1213-101K | 100 | 0.097 | 2.60 | 2.50 |
| LCHB1213-151K | 150 | 0.140 | 2.10 | 2.10 |
| LCHB1213-221K | 220 | 0.200 | 1.70 | 1.70 |
| LCHB1213-331K | 330 | 0.300 | 1.40 | 1.40 |
| LCHB1213-471K | 470 | 0.430 | 1.10 | 1.10 |
| LCHB1213-681K | 680 | 0.610 | 0.95 | 0.99 |
| LCHB1213-102K | 1000 | 1.000 | 0.78 | 0.79 |
| LCHB1213-152K | 1500 | 0.300 | 0.64 | 0.68 |
| LCHB1213-222K | 2200 | 2.000 | 0.53 | 0.55 |
| LCHB1213-332K | 3300 | 3.100 | 0.43 | 0.44 |
| LCHB1213-472K | 4700 | 4.400 | 0.36 | 0.37 |
| LCHB1213-682K | 6800 | 6.500 | 0.30 | 0.30 |
| LCHB1213-103K | 10000 | 10.000 | 0.24 | 0.24 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers Inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.



SHINHOM

# THROUGH-HOLE RADIAL UL TUBE POWER CHOKES

# LCHB1415 SERIES



## FEATURES:

- Wire-wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

## APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

## ELECTRICAL CHARACTERISTICS:

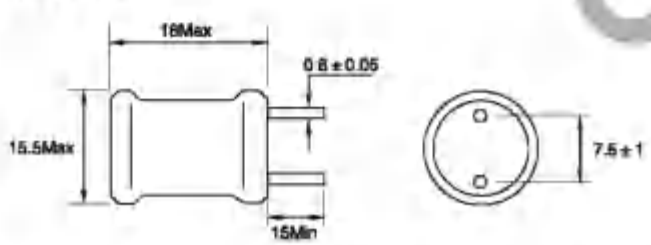
| Part Number LCHB1415- | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|
| 100K | 10 | 0.015 | 5.0 |
| 120K | 12 | 0.016 | 5.0 |
| 150K | 15 | 0.017 | 5.0 |
| 180K | 18 | 0.019 | 5.0 |
| 220K | 22 | 0.021 | 5.0 |
| 270K | 27 | 0.023 | 5.0 |
| 330K | 33 | 0.027 | 4.0 |
| 390K | 39 | 0.029 | 4.0 |
| 470K | 47 | 0.031 | 4.0 |
| 560K | 56 | 0.035 | 4.0 |
| 680K | 68 | 0.041 | 4.0 |
| 820K | 82 | 0.052 | 4.0 |
| 101K | 100 | 0.056 | 4.0 |
| 121K | 120 | 0.060 | 3.3 |
| 151K | 150 | 0.078 | 3.3 |
| 181K | 180 | 0.096 | 3.3 |
| 221K | 220 | 0.147 | 2.6 |
| 271K | 270 | 0.175 | 2.6 |
| 331K | 330 | 0.192 | 2.0 |
| 391K | 390 | 0.210 | 2.0 |
| 471K | 470 | 0.240 | 2.0 |
| 561K | 560 | 0.315 | 1.60 |
| 681K | 680 | 0.360 | 1.60 |
| 821K | 820 | 0.460 | 1.30 |
| 102K | 1000 | 0.540 | 1.30 |

| Part Number LCHB1415- | Inductance L(μH) @1.0KHz,0.1V | DCR(Ω) | IDC(A) |
|---|---|---|---|
| 122K | 1200 | 0.660 | 1.30 |
| 152K | 1500 | 0.780 | 1.0 |
| 182K | 1800 | 0.990 | 1.0 |
| 222K | 2200 | 1.20 | 0.80 |
| 272K | 2700 | 1.32 | 0.80 |
| 332K | 3300 | 1.80 | 0.62 |
| 392K | 3900 | 2.10 | 0.62 |
| 472K | 4700 | 2.70 | 0.49 |
| 562K | 5600 | 3.15 | 0.49 |
| 682K | 6800 | 3.60 | 0.49 |
| 822K | 8200 | 4.30 | 0.385 |
| 103K | 10000 | 5.15 | 0.385 |
| 123K | 12000 | 2.85 | 0.385 |
| 153K | 15000 | 8.30 | 0.30 |
| 183K | 18000 | 10.20 | 0.25 |
| 223K | 22000 | 11.70 | 0.25 |
| 273K | 27000 | 13.00 | 0.25 |
| 333K | 33000 | 16.40 | 0.19 |
| 393K | 39000 | 21.00 | 0.19 |
| 473K | 47000 | 27.00 | 0.15 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS:

Dimmension: mm




Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: -55℃ to +125℃
Shrink tube: Flame retardant UL type VW-1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

# LGA0204 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

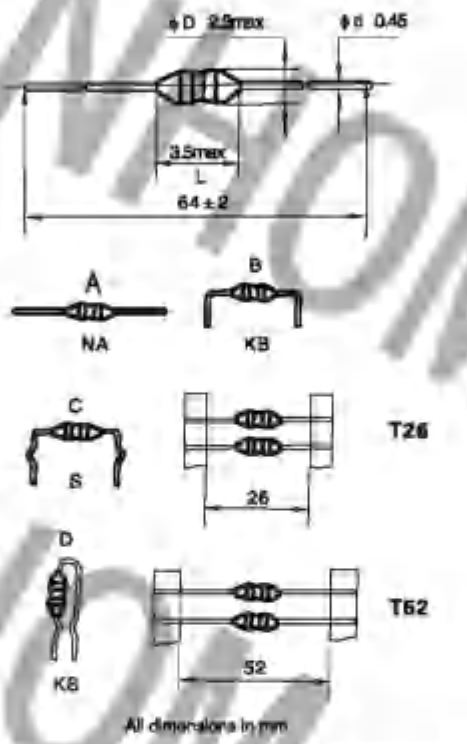
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Tol ± % | Q min | L Test Freq (MHz) | S.R.F (MHz) | $R_{DC}$ Ω Max | $I_{DC}$ (mA) |
|---|---|---|---|---|---|---|---|
| LAG0204-R22K | 0.22 | 20 | 35 | 25.2 | 150 | 0.40 | 400 |
| LAG0204-R27K | 0.27 | 20 | 35 | 25.2 | 150 | 0.43 | 380 |
| LAG0204-R33K | 0.33 | 20 | 35 | 25.2 | 150 | 0.46 | 370 |
| LAG0204-R39K | 0.39 | 20 | 35 | 25.2 | 150 | 0.51 | 360 |
| LAG0204-R47K | 0.47 | 20 | 35 | 25.2 | 150 | 0.56 | 330 |
| LAG0204-R56K | 0.56 | 20 | 35 | 25.2 | 150 | 0.61 | 320 |
| LAG0204-R68K | 0.68 | 20 | 35 | 25.2 | 150 | 0.67 | 310 |
| LAG0204-R82K | 0.82 | 20 | 35 | 25.2 | 150 | 0.74 | 290 |
| LAG0204-1R0K | 1.0 | 20 | 35 | 25.2 | 150 | 0.80 | 270 |
| LAG0204-1R2K | 1.2 | 20 | 40 | 7.96 | 110 | 0.90 | 260 |
| LAG0204-1R5K | 1.5 | 20 | 40 | 7.96 | 80 | 1.0 | 250 |
| LAG0204-1R8K | 1.8 | 20 | 40 | 7.96 | 60 | 1.1 | 240 |
| LAG0204-2R2K | 2.2 | 20 | 40 | 7.96 | 45 | 1.2 | 230 |
| LAG0204-2R7K | 2.7 | 20 | 40 | 7.96 | 40 | 1.3 | 220 |
| LAG0204-3R3K | 3.3 | 10 | 40 | 7.96 | 38 | 1.4 | 210 |
| LAG0204-3R9K | 3.9 | 10 | 40 | 7.96 | 35 | 1.5 | 200 |
| LAG0204-4R7K | 4.7 | 10 | 40 | 7.96 | 32 | 1.6 | 190 |
| LAG0204-5R6K | 5.6 | 10 | 40 | 7.96 | 30 | 1.7 | 180 |
| LAG0204-6R8K | 6.8 | 10 | 40 | 7.96 | 28 | 1.8 | 175 |
| LAG0204-8R2K | 8.2 | 10 | 40 | 7.96 | 26 | 2.0 | 165 |
| LAG0204-100K | 10 | 10 | 40 | 7.96 | 24 | 2.2 | 160 |
| LAG0204-120K | 12 | 10 | 40 | 25.2 | 22 | 2.5 | 150 |
| LAG0204-150K | 15 | 10 | 40 | 25.2 | 20 | 2.8 | 145 |
| LAG0204-180K | 18 | 10 | 40 | 25.2 | 18 | 3.1 | 140 |
| LAG0204-220K | 22 | 10 | 40 | 25.2 | 17 | 3.4 | 130 |
| LAG0204-270K | 27 | 10 | 40 | 25.2 | 15 | 4.3 | 80 |
| LAG0204-330K | 33 | 10 | 40 | 25.2 | 14 | 4.7 | 76 |
| LAG0204-390K | 39 | 10 | 40 | 25.2 | 13 | 5.2 | 74 |
| LAG0204-470K | 47 | 10 | 40 | 25.2 | 12 | 5.8 | 70 |
| LAG0204-560K | 56 | 10 | 40 | 25.2 | 11 | 6.4 | 66 |
| LAG0204-680K | 68 | 10 | 40 | 25.2 | 10 | 7.2 | 64 |
| LAG0204-820K | 82 | 10 | 40 | 25.2 | 9.5 | 11 | 46 |
| LAG0204-101K | 100 | 10 | 40 | 25.2 | 9 | 12 | 44 |
| LAG0204-121K | 120 | 10 | 40 | 0.796 | 8 | 13 | 42 |
| LAG0204-151K | 150 | 10 | 40 | 0.796 | 8 | 16 | 39 |
| LAG0204-181K | 180 | 10 | 40 | 0.796 | 6.5 | 18 | 37 |
| LAG0204-221K | 220 | 10 | 40 | 0.796 | 5 | 20 | 35 |
| LAG0204-271K | 220 | 10 | 40 | 0.796 | 4.6 | 26 | 26 |
| LAG0204-331K | 220 | 10 | 40 | 0.796 | 4.2 | 30 | 26 |
| LAG0204-391K | 220 | 10 | 40 | 0.796 | 3.8 | 34 | 25 |
| LAG0204-471K | 220 | 10 | 40 | 0.796 | 3.5 | 38 | 24 |

Note:1. K=±10% M=±20%

## PHYSICAL CHARACTERISTICS




All dimensions in mm

## TECHNICAL INFORMATION:

1、Ordering Code

| LGA | 04 | 10 | KB | 101 | K | T52 |
|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

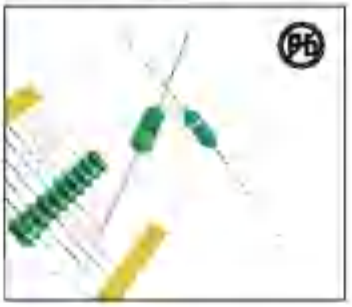
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to +85℃
- Solderability:Temperature @ 250℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

# LGA0305 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability, Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

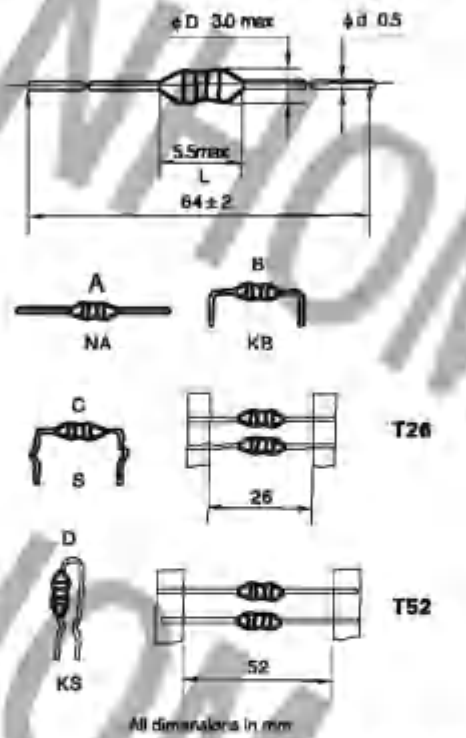
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Tol ± % | Q min | L Test Freq (MHz) | S.R.F (MHz) | $R_{dc}$ (Ω) Max | $I_{dc}$ (mA) |
|---|---|---|---|---|---|---|---|
| LAG0305-R22K | 0.22 | 20 | 35 | 25.2 | 150 | 0.40 | 400 |
| LAG0305-R27K | 0.27 | 20 | 35 | 25.2 | 150 | 0.43 | 380 |
| LAG0305-R33K | 0.33 | 20 | 35 | 25.2 | 150 | 0.48 | 370 |
| LAG0305-R39K | 0.39 | 20 | 35 | 25.2 | 150 | 0.51 | 350 |
| LAG0305-R47K | 0.47 | 20 | 35 | 25.2 | 150 | 0.58 | 330 |
| LAG0305-R56K | 0.56 | 20 | 40 | 25.2 | 150 | 0.61 | 320 |
| LAG0305-R68K | 0.68 | 20 | 40 | 25.2 | 150 | 0.67 | 310 |
| LAG0305-R82K | 0.82 | 20 | 40 | 25.2 | 150 | 0.74 | 290 |
| LAG0305-1R0K | 1.0 | 20 | 40 | 25.2 | 150 | 0.80 | 270 |
| LAG0305-1R2K | 1.2 | 20 | 50 | 7.96 | 144 | 0.90 | 260 |
| LAG0305-1R5K | 1.5 | 20 | 50 | 7.96 | 131 | 1.0 | 250 |
| LAG0305-1R8K | 1.8 | 20 | 50 | 7.96 | 121 | 1.1 | 240 |
| LAG0305-2R2K | 2.2 | 20 | 50 | 7.96 | 110 | 1.2 | 230 |
| LAG0305-2R7K | 2.7 | 20 | 50 | 7.96 | 100 | 1.3 | 220 |
| LAG0305-3R3K | 3.3 | 10 | 50 | 7.96 | 90 | 1.4 | 210 |
| LAG0305-3R9K | 3.9 | 10 | 50 | 7.96 | 80 | 1.6 | 200 |
| LAG0305-4R7K | 4.7 | 10 | 50 | 7.96 | 50 | 1.7 | 180 |
| LAG0305-5R6K | 5.6 | 10 | 50 | 7.96 | 42 | 1.9 | 780 |
| LAG0305-6R8K | 6.8 | 10 | 50 | 7.96 | 34 | 2.0 | 175 |
| LAG0305-8R2K | 8.2 | 10 | 50 | 7.96 | 25 | 2.2 | 165 |
| LAG0305-100K | 10 | 10 | 50 | 7.96 | 21 | 2.5 | 160 |
| LAG0305-120K | 12 | 10 | 50 | 25.2 | 19 | 2.5 | 150 |
| LAG0305-150K | 15 | 10 | 50 | 25.2 | 17 | 2.8 | 145 |
| LAG0305-180K | 18 | 10 | 50 | 25.2 | 13 | 3.1 | 140 |
| LAG0305-220K | 22 | 10 | 50 | 25.2 | 9.6 | 3.4 | 130 |
| LAG0305-270K | 27 | 10 | 50 | 25.2 | 7.2 | 3.6 | 125 |
| LAG0305-330K | 33 | 10 | 50 | 25.2 | 6.5 | 4.1 | 120 |
| LAG0305-390K | 39 | 10 | 50 | 25.2 | 6.3 | 4.5 | 115 |
| LAG0305-470K | 47 | 10 | 50 | 25.2 | 6.3 | 4.8 | 110 |
| LAG0305-560K | 56 | 10 | 50 | 25.2 | 6.2 | 5.9 | 105 |
| LAG0305-680K | 68 | 10 | 50 | 25.2 | 5.7 | 5.9 | 100 |
| LAG0305-820K | 82 | 10 | 50 | 25.2 | 5.3 | 6.3 | 95 |
| LAG0305-101K | 100 | 10 | 50 | 25.2 | 4.6 | 7.0 | 90 |
| LAG0305-121K | 120 | 10 | 50 | 0.796 | 5.8 | 13.0 | 90 |
| LAG0305-151K | 150 | 10 | 50 | 0.796 | 3.5 | 15.0 | 85 |
| LAG0305-181K | 180 | 10 | 50 | 0.796 | 3.3 | 16.0 | 80 |
| LAG0305-221K | 220 | 10 | 50 | 0.796 | 3.0 | 17.0 | 75 |
| LAG0305-271K | 270 | 10 | 50 | 0.796 | 2.8 | 19.0 | 65 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS




All dimensions in mm

## TECHNICAL INFORMATION:

1. Ordering Code

| LGA | 04 | 10 | KB | 101 | K | T52 |
|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

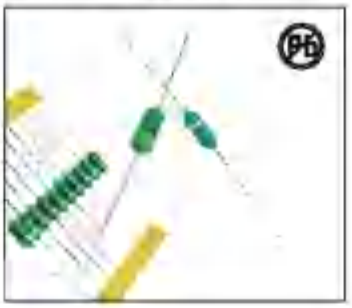
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance--Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q--HP 4342A
  SRF--HP 4191A
- IDC Max:The maximum DC value having Inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 250℃ ± 5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

# LGA0307 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability, Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

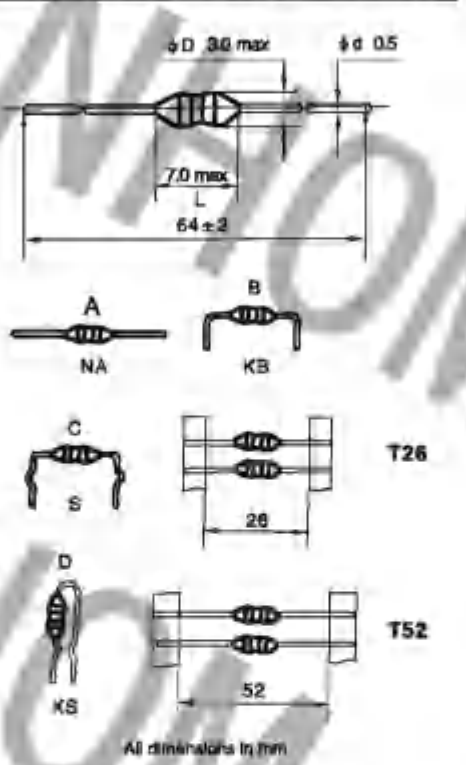
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Tol ±% | Q min | L Test Freq (MHz) | S.R.F (MHz) | $R_{dc}$ (Ω) Max | $I_{dc}$ (mA) |
|---|---|---|---|---|---|---|---|
| LGA0307-R22K | 0.22 | 10 | 35 | 25.2 | 150 | 0.40 | 400 |
| LGA0307-R27K | 0.27 | 10 | 35 | 25.2 | 150 | 0.42 | 380 |
| LGA0307-R33K | 0.33 | 10 | 35 | 25.2 | 150 | 0.48 | 370 |
| LGA0307-R39K | 0.39 | 10 | 35 | 25.2 | 150 | 0.51 | 360 |
| LGA0307-R47K | 0.47 | 10 | 35 | 25.2 | 150 | 0.56 | 330 |
| LGA0307-R56K | 0.56 | 10 | 40 | 25.2 | 150 | 0.61 | 320 |
| LGA0307-R68K | 0.68 | 10 | 40 | 25.2 | 150 | 0.67 | 310 |
| LGA0307-R82K | 0.82 | 10 | 40 | 25.2 | 150 | 0.74 | 290 |
| LGA0307-1R0K | 1.0 | 10 | 40 | 25.2 | 150 | 0.80 | 270 |
| LGA0307-1R2K | 1.2 | 10 | 50 | 7.96 | 144 | 0.90 | 260 |
| LGA0307-1R5K | 1.5 | 10 | 50 | 7.96 | 134 | 1.0 | 250 |
| LGA0307-1R8K | 1.8 | 10 | 50 | 7.96 | 121 | 1.1 | 240 |
| LGA0307-2R2K | 2.2 | 10 | 50 | 7.96 | 110 | 1.2 | 230 |
| LGA0307-2R7K | 2.7 | 10 | 50 | 7.96 | 100 | 1.3 | 220 |
| LGA0307-3R3K | 3.3 | 10 | 50 | 7.96 | 94 | 1.4 | 210 |
| LGA0307-3R9K | 3.9 | 10 | 50 | 7.96 | 85 | 1.6 | 200 |
| LGA0307-4R7K | 4.7 | 10 | 50 | 7.96 | 56 | 1.7 | 190 |
| LGA0307-5R6K | 5.6 | 10 | 50 | 7.96 | 46 | 1.9 | 180 |
| LGA0307-6R8K | 6.8 | 10 | 50 | 7.96 | 37 | 2.0 | 175 |
| LGA0307-8R2K | 8.2 | 10 | 50 | 7.96 | 28 | 2.2 | 165 |
| LGA0307-100K | 10 | 10 | 50 | 7.96 | 21 | 2.5 | 160 |
| LGA0307-120K | 12 | 10 | 50 | 2.52 | 19 | 2.5 | 150 |
| LGA0307-150K | 15 | 10 | 50 | 2.52 | 17 | 2.8 | 145 |
| LGA0307-180K | 18 | 10 | 50 | 2.52 | 13 | 3.1 | 140 |
| LGA0307-220K | 22 | 10 | 50 | 2.52 | 9.8 | 3.4 | 130 |
| LGA0307-270K | 27 | 10 | 50 | 2.52 | 7.2 | 3.8 | 125 |
| LGA0307-330K | 33 | 10 | 50 | 2.52 | 6.3 | 4.1 | 120 |
| LGA0307-390K | 39 | 10 | 50 | 2.52 | 6.3 | 4.5 | 115 |
| LGA0307-470K | 47 | 10 | 50 | 2.52 | 6.3 | 4.9 | 110 |
| LGA0307-560K | 56 | 10 | 50 | 2.52 | 6.2 | 5.3 | 105 |
| LGA0307-680K | 68 | 10 | 50 | 2.52 | 5.7 | 5.8 | 100 |
| LGA0307-820K | 82 | 10 | 50 | 2.52 | 5.3 | 6.3 | 95 |
| LGA0307-101K | 100 | 10 | 50 | 2.52 | 4.8 | 7.0 | 90 |
| LGA0307-121K | 120 | 10 | 50 | 0.796 | 3.8 | 13.0 | 80 |
| LGA0307-151K | 150 | 10 | 50 | 0.796 | 3.5 | 15.0 | 65 |
| LGA0307-181K | 180 | 10 | 50 | 0.796 | 3.3 | 16.0 | 60 |
| LGA0307-221K | 220 | 10 | 50 | 0.796 | 3.0 | 17.0 | 75 |
| LGA0307-271K | 270 | 10 | 50 | 0.796 | 2.5 | 19.0 | 35 |
| LGA0307-331K | 330 | 10 | 50 | 0.796 | 2.6 | 20.0 | 50 |
| LGA0307-391K | 390 | 10 | 50 | 0.796 | 2.4 | 22.0 | 55 |
| LGA0307-471K | 470 | 10 | 50 | 0.796 | 2.25 | 24.0 | 55 |
| LGA0307-561K | 560 | 10 | 50 | 0.796 | 2.10 | 26.0 | 50 |
| LGA0307-681K | 680 | 10 | 50 | 0.796 | 1.95 | 28.0 | 45 |
| LGA0307-821K | 820 | 10 | 50 | 0.796 | 1.85 | 30.0 | 40 |
| LGA0307-102K | 1000 | 10 | 50 | 0.796 | 1.40 | 33.0 | 40 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS




## TECHNICAL INFORMATION:

1、Ordering Code

| LGA | 04 | 10 | KB | - | 101 | K | TS2 |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | | (5) | (6) | (7) |

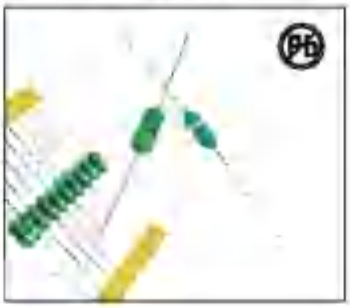
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ± 5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

# LGA0410 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability, Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

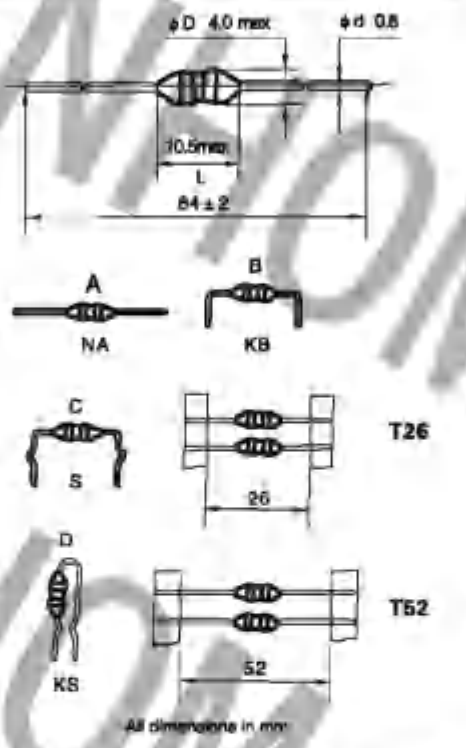
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Tol ± % | Q min | L Test Freq (MHz) | S.R.F (MHz) | $R_{DC}$ (Ω) Max | $I_{DC}$ (mA) |
|---|---|---|---|---|---|---|---|
| LGA0410-R22K | 0.22 | 20 | 45 | 25.2 | 300 | 0.10 | 1400 |
| LGA0410-R27K | 0.27 | 20 | 45 | 25.2 | 270 | 0.11 | 1320 |
| LGA0410-R33K | 0.33 | 20 | 45 | 25.2 | 250 | 0.12 | 1280 |
| LGA0410-R39K | 0.39 | 20 | 45 | 25.2 | 230 | 0.13 | 1200 |
| LGA0410-R47K | 0.47 | 20 | 45 | 25.2 | 220 | 0.14 | 1150 |
| LGA0410-R56K | 0.56 | 20 | 45 | 25.2 | 200 | 0.15 | 1100 |
| LGA0410-R68K | 0.68 | 20 | 45 | 25.2 | 190 | 0.16 | 1030 |
| LGA0410-R82K | 0.82 | 20 | 45 | 25.2 | 172 | 0.17 | 980 |
| LGA0410-1R0K | 1.0 | 20 | 45 | 25.2 | 157 | 0.19 | 920 |
| LGA0410-1R2K | 1.2 | 20 | 50 | 7.96 | 144 | 0.21 | 900 |
| LGA0410-1R5K | 1.5 | 20 | 50 | 7.96 | 131 | 0.23 | 850 |
| LGA0410-1R8K | 1.8 | 20 | 55 | 7.96 | 121 | 0.25 | 790 |
| LGA0410-2R2K | 2.2 | 20 | 55 | 7.96 | 110 | 0.26 | 750 |
| LGA0410-2R7K | 2.7 | 20 | 60 | 7.96 | 100 | 0.30 | 720 |
| LGA0410-3R3K | 3.3 | 10 | 65 | 7.96 | 94 | 0.34 | 670 |
| LGA0410-3R9K | 3.9 | 10 | 65 | 7.96 | 85 | 0.37 | 640 |
| LGA0410-4R7K | 4.7 | 10 | 70 | 7.96 | 56 | 0.39 | 620 |
| LGA0410-5R6K | 5.6 | 10 | 70 | 7.96 | 48 | 0.43 | 590 |
| LGA0410-6R8K | 6.8 | 10 | 75 | 7.96 | 37 | 0.48 | 550 |
| LGA0410-8R2K | 8.2 | 10 | 80 | 7.96 | 25 | 0.52 | 530 |
| LGA0410-100K | 10 | 10 | 65 | 7.96 | 21 | 0.58 | 500 |
| LGA0410-120K | 12 | 10 | 50 | 2.52 | 19 | 1.63 | 450 |
| LGA0410-150K | 15 | 10 | 50 | 2.52 | 17 | 0.72 | 460 |
| LGA0410-180K | 18 | 10 | 50 | 2.52 | 13 | 0.77 | 450 |
| LGA0410-220K | 22 | 10 | 50 | 2.52 | 9.5 | 0.84 | 410 |
| LGA0410-270K | 27 | 10 | 55 | 2.52 | 7.2 | 0.94 | 390 |
| LGA0410-330K | 33 | 10 | 55 | 2.52 | 6.8 | 1.05 | 370 |
| LGA0410-390K | 39 | 10 | 50 | 2.52 | 6.5 | 1.12 | 360 |
| LGA0410-470K | 47 | 10 | 45 | 2.52 | 6.3 | 1.22 | 340 |
| LGA0410-560K | 56 | 10 | 40 | 2.52 | 6.2 | 1.34 | 320 |
| LGA0410-680K | 68 | 10 | 40 | 2.52 | 5.7 | 1.47 | 305 |
| LGA0410-820K | 82 | 10 | 35 | 2.52 | 5.5 | 1.82 | 290 |
| LGA0410-101K | 100 | 10 | 30 | 2.52 | 4.8 | 1.96 | 275 |
| LGA0410-121K | 120 | 10 | 55 | 0.796 | 3.8 | 3.70 | 185 |
| LGA0410-151K | 150 | 10 | 45 | 0.796 | 3.5 | 4.20 | 175 |
| LGA0410-181K | 180 | 10 | 50 | 0.796 | 3.3 | 4.80 | 165 |
| LGA0410-221K | 220 | 10 | 55 | 0.796 | 3.0 | 5.10 | 155 |
| LGA0410-271K | 270 | 10 | 65 | 0.796 | 2.8 | 5.50 | 145 |
| LGA0410-331K | 330 | 10 | 65 | 0.796 | 2.6 | 6.40 | 137 |
| LGA0410-391K | 390 | 10 | 65 | 0.796 | 2.4 | 7.00 | 133 |
| LGA0410-471K | 470 | 10 | 60 | 0.796 | 2.25 | 7.70 | 126 |
| LGA0410-561K | 560 | 10 | 60 | 0.796 | 2.10 | 8.50 | 120 |
| LGA0410-681K | 680 | 10 | 55 | 0.796 | 1.95 | 9.40 | 113 |
| LGA0410-821K | 820 | 10 | 55 | 0.796 | 1.85 | 10.5 | 105 |
| LGA0410-102K | 1000 | 10 | 50 | 0.796 | 1.40 | 14.0 | 100 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS




All dimensions in mm

## TECHNICAL INFORMATION:

1、Ordering Code

| LGA | 04 | 10 | KS | 101 | K | T52 |
|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to +85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

# LGA0510 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability, Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

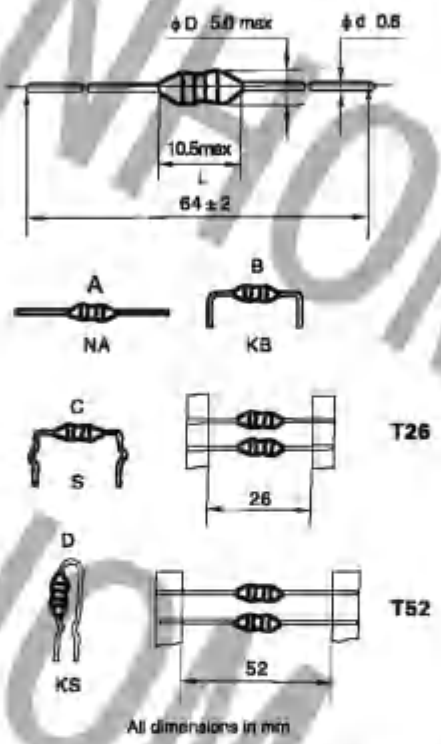
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Tol ± % | Q min | L Test Freq (MHz) | S.R.F (MHz) | $R_{dc}$ (Ω) Max | $I_{dc}$ (mA) |
|---|---|---|---|---|---|---|---|
| LGA0510-471K | 470 | 10 | 60 | 0.796 | 1.9 | 7.70 | 126 |
| LGA0510-561K | 560 | 10 | 50 | 0.796 | 1.8 | 8.50 | 120 |
| LGA0510-681K | 680 | 10 | 55 | 0.796 | 1.5 | 9.00 | 113 |
| LGA0510-821K | 820 | 10 | 45 | 0.796 | 1.2 | 10.5 | 105 |
| LGA0510-102K | 1000 | 10 | 45 | 0.796 | 1.0 | 14.0 | 100 |
| LGA0510-122K | 1200 | 10 | 40 | 0.252 | 0.95 | 16.9 | 95 |
| LGA0510-152K | 1500 | 10 | 40 | 0.252 | 0.90 | 21.6 | 90 |
| LGA0510-182K | 1800 | 10 | 40 | 0.252 | 0.85 | 24.0 | 85 |
| LGA0510-222K | 2200 | 10 | 40 | 0.252 | 0.80 | 34.7 | 80 |
| LGA0510-272K | 2700 | 10 | 40 | 0.252 | 0.75 | 40.0 | 75 |
| LGA0510-332K | 3300 | 10 | 40 | 0.252 | 0.70 | 59.5 | 62 |
| LGA0510-392K | 3900 | 10 | 40 | 0.252 | 0.65 | 66.0 | 59 |
| LGA0510-472K | 4700 | 10 | 40 | 0.252 | 0.60 | 74.0 | 55 |
| LGA0510-562K | 5600 | 10 | 30 | 0.252 | 0.50 | 80.0 | 40 |
| LGA0510-682K | 6800 | 10 | 30 | 0.252 | 0.45 | 85.0 | 35 |
| LGA0510-822K | 8200 | 10 | 30 | 0.252 | 0.40 | 95.0 | 30 |
| LGA0510-103K | 10000 | 10 | 20 | 0.252 | 0.35 | 105.0 | 25 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS




All dimensions in mm

## TECHNICAL INFORMATION:

1、Ordering Code

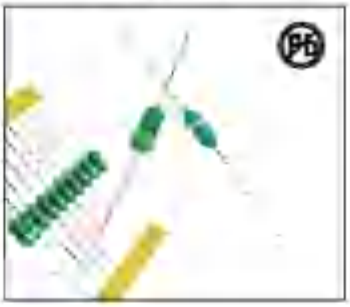
| LGA | 04 | 10 | KB | _ | 101 | K | T52 |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | | (5) | (6) | (7) |

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to +85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS
# LGA0512 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

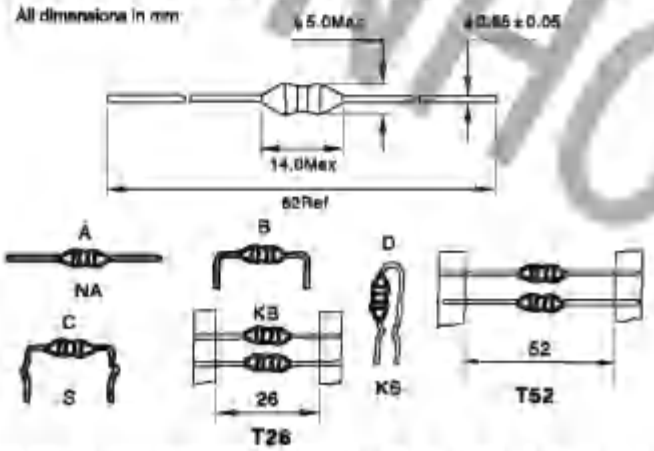
## STANDARD SPECIFICATIONS

| Part Number | L (μH) | L Test Freq (MHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (mA Max) | Part Number | L (μH) | L Test Freq (MHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (mA Max) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LGA0512-1R0K | 1.0 | 7.96 | 10 | 7.96 | 300 | 0.032 | 3600 | LGA0512-181K | 180 | 0.796 | 15 | 0.796 | 4.0 | 1.10 | 400 |
| LGA0512-1R2K | 1.2 | 7.96 | 10 | 7.96 | 280 | 0.034 | 3700 | LGA0512-221K | 220 | 0.796 | 15 | 0.796 | 3.8 | 1.25 | 380 |
| LGA0512-1R5K | 1.5 | 7.96 | 10 | 7.96 | 250 | 0.036 | 3600 | LGA0512-271K | 270 | 0.796 | 15 | 0.796 | 3.5 | 1.65 | 330 |
| LGA0512-1R8K | 1.8 | 7.96 | 10 | 7.96 | 240 | 0.039 | 3100 | LGA0512-331K | 330 | 0.796 | 15 | 0.796 | 3.0 | 2.10 | 310 |
| LGA0512-2R2K | 2.2 | 7.96 | 10 | 7.96 | 220 | 0.031 | 2500 | LGA0512-391K | 390 | 0.796 | 15 | 0.796 | 2.8 | 2.28 | 300 |
| LGA0512-2R7K | 2.7 | 7.96 | 10 | 7.96 | 195 | 0.034 | 2700 | LGA0512-471K | 470 | 0.796 | 15 | 0.796 | 2.7 | 3.22 | 290 |
| LGA0512-3R3K | 3.3 | 7.96 | 10 | 7.96 | 155 | 0.036 | 2600 | LGA0512-561K | 560 | 0.796 | 15 | 0.796 | 2.2 | 3.65 | 270 |
| LGA0512-3R9K | 3.9 | 7.96 | 10 | 7.96 | 115 | 0.040 | 2500 | LGA0512-681K | 680 | 0.796 | 15 | 0.796 | 2.1 | 4.00 | 210 |
| LGA0512-4R7K | 4.7 | 7.96 | 10 | 7.96 | 85 | 0.044 | 2400 | LGA0512-821K | 820 | 0.796 | 15 | 0.796 | 2.0 | 5.00 | 200 |
| LGA0512-5R6K | 5.6 | 7.96 | 10 | 7.96 | 80 | 0.049 | 2100 | LGA0512-102K | 1000 | 0.796 | 15 | 0.796 | 1.8 | 5.80 | 190 |
| LGA0512-6R8K | 6.8 | 7.96 | 10 | 7.96 | 60 | 0.061 | 2000 | LGA0512-122K | 1200 | 0.796 | 15 | 0.796 | 1.6 | 7.10 | 180 |
| LGA0512-8R2K | 8.2 | 7.96 | 10 | 7.96 | 55 | 0.066 | 1850 | LGA0512-152K | 1500 | 0.796 | 15 | 0.796 | 1.5 | 7.8 | 170 |
| LGA0512-100K | 10 | 7.96 | 10 | 7.96 | 34 | 0.062 | 1900 | LGA0512-182K | 1800 | 0.796 | 15 | 0.796 | 1.3 | 11.0 | 150 |
| LGA0512-120K | 12 | 2.52 | 10 | 2.52 | 18 | 0.076 | 1800 | LGA0512-222K | 2200 | 0.796 | 35 | 0.796 | 1.2 | 14.0 | 120 |
| LGA0512-150K | 15 | 2.52 | 10 | 2.52 | 16 | 0.086 | 1700 | LGA0512-272K | 2700 | 0.796 | 35 | 0.796 | 1.1 | 18.0 | 100 |
| LGA0512-180K | 18 | 2.52 | 10 | 2.52 | 15 | 0.11 | 1500 | LGA0512-332K | 3300 | 0.796 | 35 | 0.796 | 1.0 | 23.0 | 80 |
| LGA0512-220K | 22 | 2.52 | 10 | 2.52 | 14 | 0.13 | 1550 | LGA0512-392K | 3900 | 0.252 | 40 | 0.252 | 0.9 | 26.0 | 60 |
| LGA0512-270K | 27 | 2.52 | 10 | 2.52 | 13 | 0.14 | 1300 | LGA0512-472K | 4700 | 0.252 | 50 | 0.252 | 0.7 | 32.0 | 50 |
| LGA0512-330K | 33 | 2.52 | 10 | 2.52 | 11 | 0.30 | 1300 | LGA0512-562K | 5600 | 0.252 | 70 | 0.252 | 0.6 | 34.0 | 40 |
| LGA0512-390K | 39 | 2.52 | 10 | 2.52 | 10 | 0.22 | 1000 | LGA0512-682K | 6800 | 0.252 | 70 | 0.252 | 0.5 | 46.0 | 34 |
| LGA0512-430K | 43 | 2.52 | 10 | 2.52 | 9.5 | 0.28 | 950 | LGA0512-822K | 8200 | 0.252 | 60 | 0.252 | 0.4 | 60.0 | 30 |
| LGA0512-470K | 47 | 2.52 | 10 | 2.52 | 8.5 | 0.28 | 850 | LGA0512-103K | 10000 | 0.0796 | 40 | 0.0796 | 0.4 | 70.0 | 26 |
| LGA0512-560K | 56 | 2.52 | 10 | 2.52 | 8.0 | 0.30 | 900 | LGA0512-123K | 12000 | 0.0796 | 40 | 0.0796 | 0.3 | 82.0 | 24 |
| LGA0512-680K | 68 | 2.52 | 10 | 2.52 | 7.5 | 0.34 | 800 | LGA0512-153K | 15000 | 0.0796 | 40 | 0.0796 | 0.3 | 89.0 | 22 |
| LGA0512-820K | 82 | 2.52 | 10 | 2.52 | 7.0 | 0.385 | 750 | LGA0512-183K | 18000 | 0.0796 | 40 | 0.0796 | 0.3 | 141.0 | 15 |
| LGA0512-101K | 100 | 2.52 | 10 | 2.52 | 6.5 | 0.48 | 700 | LGA0512-223K | 22000 | 0.0796 | 40 | 0.0796 | 0.2 | 170.0 | 12 |
| LGA0512-121K | 120 | 0.796 | 15 | 0.796 | 5.0 | 0.595 | 600 | LGA0512-333K | 33000 | 0.0796 | 40 | 0.0796 | 0.2 | 250.0 | 8 |
| LGA0512-151K | 150 | 0.796 | 15 | 0.796 | 4.5 | 0.80 | 500 | | | | | | | | |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS

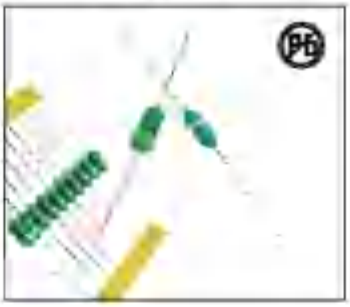
All dimensions in mm




- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current: L value drop 10%typ at $I_{DC}$ against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leq \pm 10\%$ $\Delta Q/Q \leq \pm 25\%$

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS
# LGA0514 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

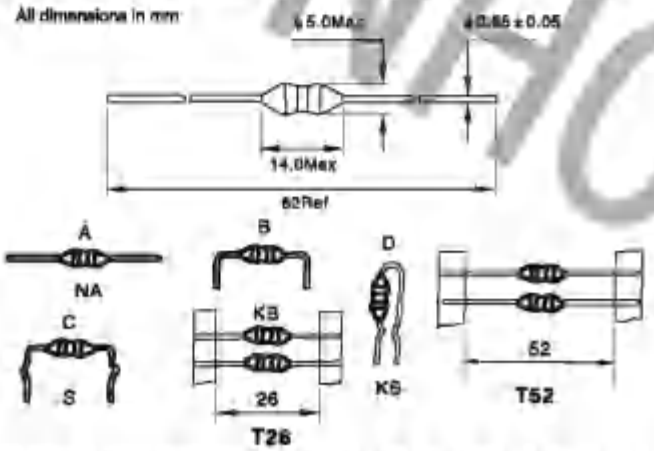
## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Q (Min) | Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | Isat (mA Max) | Irms (mA Max) | Part Number | L (μH) | Q (Min) | Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | Isat (mA Max) | Irms (mA Max) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LGA0514-1R0K | 1.0 | 10 | 7.96 | 300 | 0.022 | 5800 | 3800 | LGA0514-820K | 82 | 15 | 2.52 | 7 | 0.385 | 700 | 750 |
| LGA0514-1R2K | 1.2 | 10 | 7.96 | 260 | 0.024 | 5500 | 3700 | LGA0514-101K | 100 | 15 | 2.52 | 6.5 | 0.44 | 700 | 700 |
| LGA0514-1R5K | 1.5 | 10 | 7.96 | 250 | 0.026 | 5000 | 3600 | LGA0514-121K | 120 | 15 | 0.796 | 5 | 0.595 | 600 | 600 |
| LGA0514-1R8K | 1.8 | 10 | 7.96 | 240 | 0.029 | 4700 | 3100 | LGA0514-151K | 150 | 15 | 0.796 | 4.3 | 0.90 | 550 | 500 |
| LGA0514-2R2K | 2.2 | 10 | 7.96 | 220 | 0.031 | 4500 | 2900 | LGA0514-181K | 180 | 15 | 0.796 | 4 | 1.10 | 500 | 400 |
| LGA0514-2R7K | 2.7 | 10 | 7.96 | 195 | 0.034 | 4000 | 2700 | LGA0514-221K | 220 | 15 | 0.796 | 3.6 | 1.35 | 440 | 380 |
| LGA0514-3R3K | 3.3 | 10 | 7.96 | 155 | 0.039 | 3400 | 2600 | LGA0514-271K | 270 | 15 | 0.796 | 3.5 | 1.85 | 420 | 350 |
| LGA0514-3R9K | 3.9 | 10 | 7.96 | 115 | 0.040 | 3100 | 2500 | LGA0514-331K | 330 | 15 | 0.796 | 3.0 | 2.10 | 380 | 310 |
| LGA0514-4R7K | 4.7 | 10 | 7.96 | 85 | 0.044 | 2800 | 2400 | LGA0514-391K | 390 | 15 | 0.796 | 2.8 | 2.28 | 340 | 300 |
| LGA0514-5R6K | 5.6 | 10 | 7.96 | 55 | 0.048 | 2600 | 2100 | LGA0514-471K | 470 | 15 | 0.796 | 2.5 | 3.22 | 320 | 290 |
| LGA0514-6R8K | 6.8 | 10 | 7.96 | 50 | 0.051 | 2400 | 2000 | LGA0514-561K | 560 | 15 | 0.796 | 2.2 | 3.85 | 290 | 270 |
| LGA0514-8R2K | 8.2 | 10 | 7.96 | 36 | 0.056 | 2200 | 1850 | LGA0514-681K | 680 | 15 | 0.796 | 2.1 | 4.20 | 260 | 240 |
| LGA0514-100K | 10 | 10 | 7.96 | 24 | 0.062 | 2100 | 1900 | LGA0514-821K | 820 | 15 | 0.796 | 2.0 | 5.00 | 250 | 220 |
| LGA0514-120K | 12 | 10 | 2.52 | 18 | 0.076 | 1800 | 1800 | LGA0514-102K | 1000 | 15 | 0.252 | 1.8 | 5.80 | 220 | 190 |
| LGA0514-150K | 15 | 10 | 2.52 | 16 | 0.088 | 1700 | 1700 | LGA0514-122K | 1200 | 15 | 0.252 | 1.6 | 7.10 | 200 | 180 |
| LGA0514-180K | 18 | 10 | 2.52 | 15 | 0.11 | 1600 | 1600 | LGA0514-152K | 1500 | 15 | 0.252 | 1.5 | 7.80 | 190 | 170 |
| LGA0514-220K | 22 | 10 | 2.52 | 14 | 0.13 | 1400 | 1550 | LGA0514-222K | 2200 | 35 | 0.252 | 1.0 | 20.0 | 140 | 140 |
| LGA0514-270K | 27 | 10 | 2.52 | 13 | 0.14 | 1300 | 1300 | LGA0514-332K | 3300 | 35 | 0.252 | 0.8 | 27.0 | 130 | 120 |
| LGA0514-330K | 33 | 10 | 2.52 | 11 | 0.20 | 1200 | 1200 | LGA0514-472K | 4700 | 30 | 0.252 | 0.7 | 30.0 | 120 | 100 |
| LGA0514-390K | 39 | 10 | 2.52 | 10 | 0.22 | 1100 | 1000 | LGA0514-562K | 5600 | 15 | 0.252 | 0.5 | 30.0 | 100 | 90 |
| LGA0514-430K | 43 | 10 | 2.52 | 9.5 | 0.26 | 1000 | 950 | LGA0514-682K | 6800 | 15 | 0.252 | 0.4 | 30.0 | 90 | 80 |
| LGA0514-470K | 47 | 10 | 2.52 | 9.5 | 0.29 | 1000 | 950 | LGA0514-822K | 8200 | 15 | 0.252 | 0.4 | 37.5 | 80 | 70 |
| LGA0514-560K | 56 | 10 | 2.52 | 8 | 0.30 | 900 | 900 | LGA0514-103K | 10000 | 15 | 0.0796 | 0.4 | 42.0 | 70 | 60 |
| LGA0514-680K | 68 | 10 | 2.52 | 7.5 | 0.34 | 800 | 800 | | | | | | | | |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS

All dimensions in mm




- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current: L value drop 10%typ at $I_{sat}$ against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: $\Delta L/L \leq \pm 10\%$ $\Delta Q/Q \leq \pm 25\%$

Note: All specifications subject to change without notice.

# THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS
# LGA0612 SERIES



## FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

## COMMON APPLICATIONS:

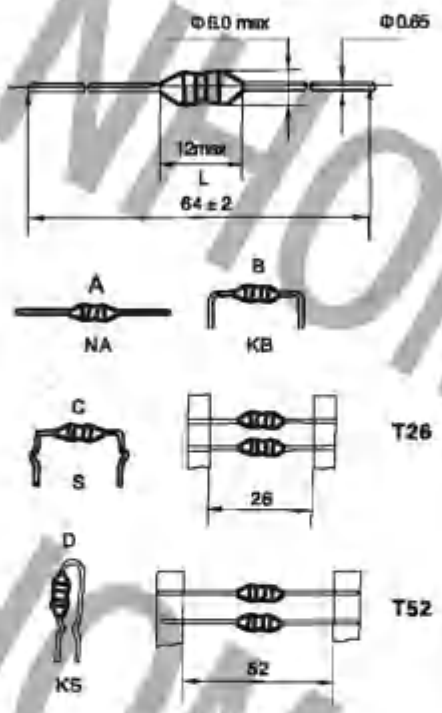
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

## STANDARD SPECIFICATIONS

| Part Number | L (μH) | Tol ± % | Q min | L Test Freq (MHz) | S.R.F (MHz) | $R_{dc}$ (Ω) Max | $I_{dc}$ (mA) |
|---|---|---|---|---|---|---|---|
| LGA0612-471K | 470 | 10 | 50 | 0.796 | 2.00 | 1.90 | 340 |
| LGA0612-561K | 560 | 10 | 50 | 0.796 | 1.7 | 2.05 | 310 |
| LGA0612-681K | 680 | 10 | 50 | 0.796 | 1.6 | 2.30 | 280 |
| LGA0612-821K | 820 | 10 | 50 | 0.796 | 1.3 | 2.64 | 260 |
| LGA0612-102K | 1000 | 10 | 50 | 0.796 | 1.0 | 3.85 | 230 |
| LGA0612-122K | 1200 | 10 | 50 | 0.252 | 0.90 | 5.70 | 210 |
| LGA0612-152K | 1500 | 10 | 50 | 0.252 | 0.80 | 6.75 | 200 |
| LGA0612-182K | 1800 | 10 | 50 | 0.252 | 0.70 | 7.55 | 180 |
| LGA0612-222K | 2200 | 10 | 50 | 0.252 | 0.65 | 8.74 | 130 |
| LGA0612-272K | 2700 | 10 | 50 | 0.252 | 0.60 | 11.4 | 90 |
| LGA0612-332K | 3300 | 10 | 50 | 0.252 | 0.58 | 13.1 | 86 |
| LGA0612-392K | 3900 | 10 | 50 | 0.252 | 0.55 | 17.4 | 82 |
| LGA0612-472K | 4700 | 10 | 50 | 0.252 | 0.50 | 24.8 | 80 |
| LGA0612-562K | 5600 | 10 | 50 | 0.252 | 0.45 | 25.8 | 76 |
| LGA0612-682K | 6800 | 10 | 50 | 0.252 | 0.41 | 31.6 | 72 |
| LGA0612-822K | 8200 | 10 | 40 | 0.252 | 0.35 | 40.8 | 70 |
| LGA0612-103K | 10000 | 10 | 40 | 0.252 | 0.30 | 45.3 | 60 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS




All dimensions in mm

## TECHNICAL INFORMATION:

1、Ordering Code

| LGA | 04 | 10 | KB | 101 | K | T52 |
|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

SHINHOM

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB0709C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

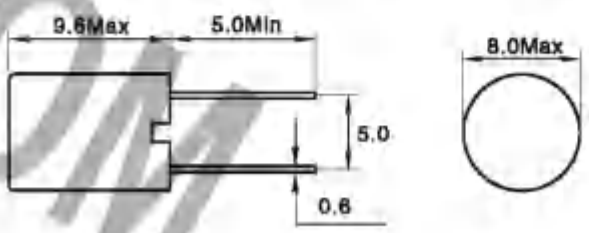
| Part Number | L μH | Test Freq KHz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|
| LGB0709C-1R0M | 1.00 | 1 | 0.006 | 5.00 |
| LGB0709C-1R5M | 1.50 | 1 | 0.006 | 4.30 |
| LGB0709C-2R2M | 2.20 | 1 | 0.011 | 3.70 |
| LGB0709C-3R3M | 3.30 | 1 | 0.015 | 2.90 |
| LGB0709C-4R7M | 4.70 | 1 | 0.022 | 2.60 |
| LGB0709C-6R8M | 6.80 | 1 | 0.025 | 2.30 |
| LGB0709C-100M | 10 | 1 | 0.043 | 1.90 |
| LGB0709C-150M | 15 | 1 | 0.055 | 1.60 |
| LGB0709C-220M | 22 | 1 | 0.086 | 1.30 |
| LGB0709C-330M | 33 | 1 | 0.140 | 1.00 |
| LGB0709C-470M | 47 | 1 | 0.170 | 0.94 |
| LGB0709C-680M | 68 | 1 | 0.280 | 0.73 |
| LGB0709C-101K | 100 | 1 | 0.330 | 0.67 |
| LGB0709C-151K | 150 | 1 | 0.560 | 0.52 |
| LGB0709C-221K | 220 | 1 | 0.720 | 0.46 |
| LGB0709C-331K | 330 | 1 | 1.100 | 0.37 |
| LGB0709C-471K | 470 | 1 | 1.700 | 0.30 |
| LGB0709C-681K | 680 | 1 | 2.300 | 0.25 |
| LGB0709C-102K | 1000 | 1 | 4.300 | 0.19 |
| LGB0709C-152K | 1500 | 1 | 5.000 | 0.16 |

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




Note:All specifications subject to change without notice.

SHINHOM

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB0809C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH | Test Freq KHz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|
| LGB0809C-2R2M | 2.20 | 1 | 0.011 | 4.00 |
| LGB0809C-3R3M | 3.30 | 1 | 0.013 | 3.40 |
| LGB0809C-4R7M | 4.70 | 1 | 0.017 | 3.00 |
| LGB0809C-6R8M | 6.80 | 1 | 0.025 | 2.60 |
| LGB0809C-100M | 10 | 1 | 0.031 | 2.20 |
| LGB0809C-150M | 15 | 1 | 0.042 | 1.90 |
| LGB0809C-220M | 22 | 1 | 0.070 | 1.50 |
| LGB0809C-330M | 33 | 1 | 0.092 | 1.20 |
| LGB0809C-470M | 47 | 1 | 0.130 | 1.00 |
| LGB0809C-680M | 68 | 1 | 0.160 | 0.97 |
| LGB0809C-101K | 100 | 1 | 0.230 | 0.81 |
| LGB0809C-151K | 150 | 1 | 0.400 | 0.61 |
| LGB0809C-221K | 220 | 1 | 0.530 | 0.53 |
| LGB0809C-331K | 330 | 1 | 0.780 | 0.44 |
| LGB0809C-471K | 470 | 1 | 1.000 | 0.39 |
| LGB0809C-681K | 680 | 1 | 1.500 | 0.32 |
| LGB0809C-102K | 1000 | 1 | 2.200 | 0.26 |
| LGB0809C-152K | 1500 | 1 | 3.500 | 0.21 |

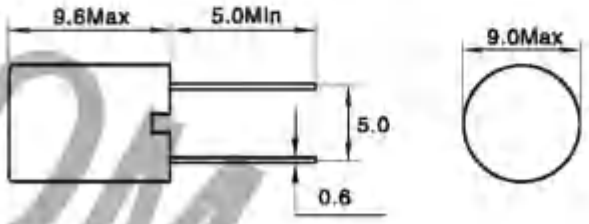
Note:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




SHINHOM

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB0810C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

| Part Number | L(uH) 10KHz,0.3V | DCR(Ω) Max | IDC(A) Max |
|---|---|---|---|
| LGB0810C-220M | 22 ± 20% | 0.05 | 1.3 |
| LGB0810C-330M | 33 ± 20% | 0.08 | 1.0 |
| LGB0810C-470K | 47 ± 10% | 0.12 | 0.75 |
| LGB0810C-680K | 68 ± 10% | 0.16 | 0.6 |
| LGB0810C-101K | 100 ± 10% | 0.21 | 0.6 |
| LGB0810C-121K | 120 ± 10% | 0.26 | 0.53 |
| LGB0810C-151K | 150 ± 10% | 0.35 | 0.46 |
| LGB0810C-221K | 220 ± 10% | 0.42 | 0.46 |
| LGB0810C-331K | 330 ± 10% | 0.60 | 0.39 |
| LGB0810C-471K | 470 ± 10% | 1.0 | 0.28 |
| LGB0810C-681K | 680 ± 10% | 1.2 | 0.28 |
| LGB0810C-102K | 1000 ± 10% | 1.58 | 0.28 |
| LGB0810C-152K | 1500 ± 10% | 2.3 | 0.23 |
| LGB0810C-202K | 2000 ± 10% | 3.2 | 0.23 |

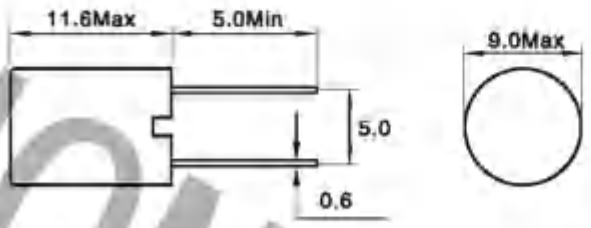
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




SHINHOM

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB1012C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

| Part Number | L(uH) 10KHz,0.3V | DCR(Ω) Max | IDC(A) Max |
|---|---|---|---|
| LGB1012C-220M | 22 ± 20% | 0.031 | 2.2 |
| LGB1012C-330M | 33 ± 20% | 0.048 | 1.6 |
| LGB1012C-470K | 47 ± 10% | 0.059 | 1.8 |
| LGB1012C-680K | 68 ± 10% | 0.086 | 1.4 |
| LGB1012C-101K | 100 ± 10% | 0.11 | 1.4 |
| LGB1012C-121K | 120 ± 10% | 0.15 | 1.1 |
| LGB1012C-151K | 150 ± 10% | 0.16 | 1.1 |
| LGB1012C-221K | 220 ± 10% | 0.26 | 0.8 |
| LGB1012C-331K | 330 ± 10% | 0.35 | 0.8 |
| LGB1012C-471K | 470 ± 10% | 0.53 | 0.6 |
| LGB1012C-681K | 680 ± 10% | 0.78 | 0.45 |
| LGB1012C-102K | 1000 ± 10% | 1.02 | 0.45 |
| LGB1012C-152K | 1500 ± 10% | 1.55 | 0.39 |
| LGB1012C-202K | 2000 ± 10% | 1.82 | 0.39 |

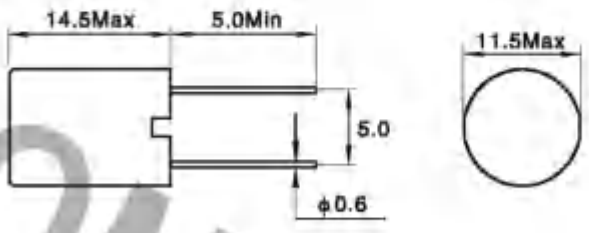
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




SHINHOM

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB1015C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

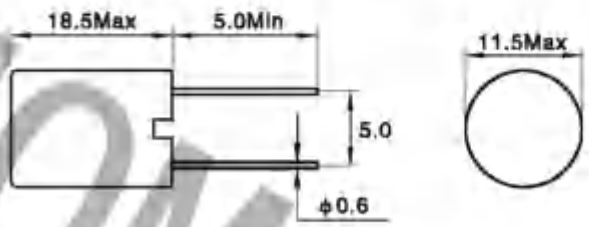
| Part Number | L(uH) 10KHz,0.3V | DCR(Ω) Max | IDC(A) Max |
|---|---|---|---|
| LGB1015C-220M | 22 ± 20% | 0.03 | 2.26 |
| LGB1015C-330M | 33 ± 20% | 0.04 | 2.26 |
| LGB1015C-470K | 47 ± 10% | 0.06 | 1.63 |
| LGB1015C-680K | 68 ± 10% | 0.08 | 1.63 |
| LGB1015C-101K | 100 ± 10% | 0.12 | 1.30 |
| LGB1015C-121K | 120 ± 10% | 0.14 | 1.30 |
| LGB1015C-151K | 150 ± 10% | 0.18 | 1.0 |
| LGB1015C-221K | 220 ± 10% | 0.23 | 1.0 |
| LGB1015C-331K | 330 ± 10% | 0.37 | 0.75 |
| LGB1015C-471K | 470 ± 10% | 0.45 | 0.75 |
| LGB1015C-681K | 680 ± 10% | 0.67 | 0.60 |
| LGB1015C-102K | 1000 ± 10% | 1.10 | 0.46 |
| LGB1015C-152K | 1500 ± 10% | 1.45 | 0.47 |
| LGB1015C-182K | 1800 ± 10% | 1.60 | 0.46 |
| LGB1015C-202K | 2000 ± 10% | 1.90 | 0.39 |

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A – SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




Note:All specifications subject to change without notice.

SHINHOM

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB1112C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

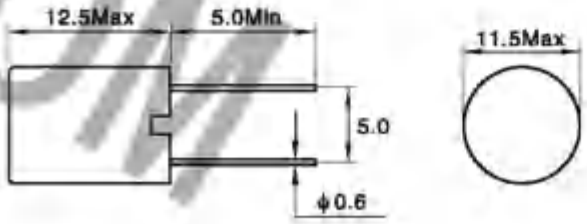
| Part Number | L μH | Test Freq KHz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|
| LGB1112C-3R3M | 3.30 | 1 | 0.010 | 5.90 |
| LGB1112C-4R7M | 4.70 | 1 | 0.015 | 4.80 |
| LGB1112C-6R8M | 6.80 | 1 | 0.018 | 4.80 |
| LGB1112C-100M | 10 | 1 | 0.025 | 3.70 |
| LGB1112C-150M | 15 | 1 | 0.029 | 3.40 |
| LGB1112C-220M | 22 | 1 | 0.040 | 2.90 |
| LGB1112C-330M | 33 | 1 | 0.062 | 2.30 |
| LGB1112C-470M | 47 | 1 | 0.075 | 2.10 |
| LGB1112C-680M | 68 | 1 | 0.130 | 1.50 |
| LGB1112C-101K | 100 | 1 | 0.160 | 1.40 |
| LGB1112C-151K | 150 | 1 | 0.260 | 1.10 |
| LGB1112C-221K | 220 | 1 | 0.330 | 1.00 |
| LGB1112C-331K | 330 | 1 | 0.520 | 0.82 |
| LGB1112C-471K | 470 | 1 | 0.660 | 0.72 |
| LGB1112C-681K | 680 | 1 | 1.100 | 0.56 |
| LGB1112C-102K | 1000 | 1 | 1.400 | 0.50 |
| LGB1112C-152K | 1500 | 1 | 2.400 | 0.38 |
| LGB1112C-222K | 2200 | 1 | 3.300 | 0.33 |
| LGB1112C-332K | 3300 | 1 | 4.900 | 0.26 |
| LGB1112C-472K | 4700 | 1 | 7.600 | 0.21 |
| LGB1112C-682K | 6800 | 1 | 9.800 | 0.18 |
| LGB1112C-103K | 10000 | 1 | 18.00 | 0.14 |
| LGB1112C-153K | 15000 | 1 | 24.00 | 0.12 |

Note:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




Note:All specifications subject to change without notice.

# THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTOR

# LGB1315C SERIES



## FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

## COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

## ELECTRICAL CHARACTERISTICS:

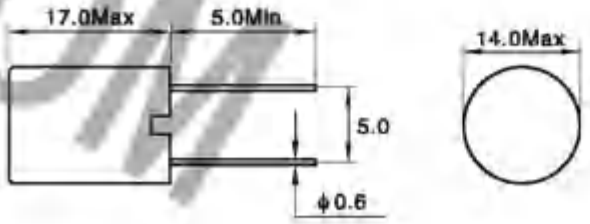
| Part Number | L μH | Test Freq KHz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|
| LGB1315C-100M | 10 | 1 | 0.023 | 5.10 |
| LGB1315C-150M | 15 | 1 | 0.028 | 4.50 |
| LGB1315C-220M | 22 | 1 | 0.035 | 4.20 |
| LGB1315C-330M | 33 | 1 | 0.043 | 3.70 |
| LGB1315C-470M | 47 | 1 | 0.052 | 3.40 |
| LGB1315C-680M | 68 | 1 | 0.066 | 3.00 |
| LGB1315C-101K | 100 | 1 | 0.097 | 2.50 |
| LGB1315C-151K | 150 | 1 | 0.140 | 2.10 |
| LGB1315C-221K | 220 | 1 | 0.200 | 1.70 |
| LGB1315C-331K | 330 | 1 | 0.300 | 1.40 |
| LGB1315C-471K | 470 | 1 | 0.430 | 1.10 |
| LGB1315C-681K | 680 | 1 | 0.610 | 0.99 |
| LGB1315C-102K | 1000 | 1 | 1.000 | 0.78 |
| LGB1315C-152K | 1500 | 1 | 1.300 | 0.68 |
| LGB1315C-222K | 2200 | 1 | 2.000 | 0.55 |
| LGB1315C-332K | 3300 | 1 | 3.100 | 0.44 |
| LGB1315C-472K | 4700 | 1 | 4.400 | 0.37 |
| LGB1315C-682K | 6800 | 1 | 6.500 | 0.30 |
| LGB1315C-103K | 10000 | 1 | 10.00 | 0.24 |

Note:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS:




Note:All specifications subject to change without notice.



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# HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

# LQH1008 SERIES



## FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

## APPLICATIONS:

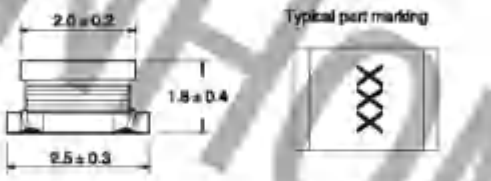
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

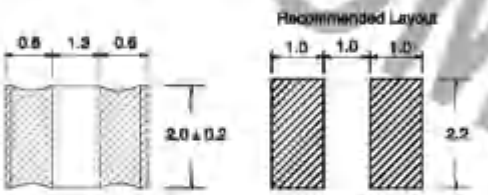
## STANDARD SPECIFICATION:

| Part Number | L (μH) | L Test Freq (KHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (mAMax) |
|---|---|---|---|---|---|---|---|
| LQH1008-1R0M | 1.0 | 1 | 35 | 1 | 100 | 0.078 | 300 |
| LQH1008-1R2M | 1.2 | 1 | 35 | 1 | 100 | 0.090 | 290 |
| LQH1008-1R5M | 1.5 | 1 | 35 | 1 | 75 | 0.10 | 280 |
| LQH1008-1R8M | 1.8 | 1 | 35 | 1 | 60 | 0.11 | 270 |
| LQH1008-2R2M | 2.2 | 1 | 35 | 1 | 50 | 0.12 | 250 |
| LQH1008-2R7M | 2.7 | 1 | 35 | 1 | 43 | 0.20 | 240 |
| LQH1008-3R3M | 3.3 | 1 | 35 | 1 | 38 | 0.24 | 230 |
| LQH1008-3R9M | 3.9 | 1 | 35 | 1 | 35 | 0.26 | 220 |
| LQH1008-4R7K | 4.7 | 1 | 35 | 1 | 31 | 0.30 | 210 |
| LQH1008-5R6K | 5.6 | 1 | 35 | 1 | 28 | 0.34 | 205 |
| LQH1008-6R8K | 6.8 | 1 | 35 | 1 | 25 | 0.44 | 200 |
| LQH1008-8R2K | 8.2 | 1 | 35 | 1 | 23 | 0.58 | 185 |
| LQH1008-100K | 10 | 1 | 35 | 1 | 20 | 0.68 | 190 |
| LQH1008-120K | 12 | 1 | 35 | 1 | 18 | 0.77 | 185 |
| LQH1008-150K | 15 | 1 | 35 | 1 | 16 | 0.87 | 180 |
| LQH1008-180K | 18 | 1 | 35 | 1 | 15 | 1.20 | 175 |
| LQH1008-220K | 22 | 1 | 40 | 1 | 14 | 1.34 | 170 |
| LQH1008-270K | 27 | 1 | 40 | 1 | 13 | 1.86 | 165 |
| LQH1008-330K | 33 | 1 | 40 | 1 | 12 | 2.10 | 160 |
| LQH1008-390K | 39 | 1 | 40 | 1 | 11 | 2.35 | 155 |
| LQH1008-470K | 47 | 1 | 40 | 1 | 11 | 3.30 | 150 |
| LQH1008-560K | 56 | 1 | 40 | 1 | 10 | 3.70 | 145 |
| LQH1008-680K | 68 | 1 | 40 | 1 | 9.0 | 6.00 | 135 |
| LQH1008-820K | 82 | 1 | 40 | 1 | 8.0 | 6.90 | 125 |
| LQH1008-101K | 100 | 1 | 40 | 1 | 8.0 | 7.75 | 110 |

Note:1. K=±10%,M=±20%

## PHYSICAL CHARACTERISTICS




**Winding**



## TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1850 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current: L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

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Note: All specifications subject to change without notice.

# HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

# LQH1206 SERIES



## FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

## APPLICATIONS:

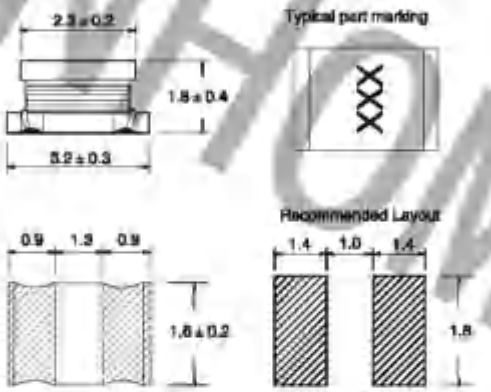
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

## STANDARD SPECIFICATION:

| Part Number | L (μH) | L Test Freq (KHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (mAMax) |
|---|---|---|---|---|---|---|---|
| LQH1206-1R0M | 1.0 | 1 | 35 | 1 | 100 | 0.49 | 175 |
| LQH1206-1R2M | 1.2 | 1 | 35 | 1 | 90 | 0.90 | 165 |
| LQH1206-1R5M | 1.5 | 1 | 35 | 1 | 75 | 1.00 | 155 |
| LQH1206-1R8M | 1.8 | 1 | 35 | 1 | 60 | 1.60 | 150 |
| LQH1206-2R2M | 2.2 | 1 | 35 | 1 | 50 | 0.70 | 140 |
| LQH1206-2R7M | 2.7 | 1 | 35 | 1 | 43 | 0.55 | 135 |
| LQH1206-3R3M | 3.3 | 1 | 35 | 1 | 38 | 0.61 | 130 |
| LQH1206-3R9M | 3.9 | 1 | 35 | 1 | 35 | 1.50 | 125 |
| LQH1206-4R7K | 4.7 | 1 | 35 | 1 | 31 | 1.70 | 120 |
| LQH1206-5R6K | 5.6 | 1 | 35 | 1 | 28 | 1.80 | 115 |
| LQH1206-6R8K | 6.8 | 1 | 35 | 1 | 25 | 2.00 | 110 |
| LQH1206-8R2K | 8.2 | 1 | 35 | 1 | 23 | 2.20 | 105 |
| LQH1206-100K | 10 | 1 | 35 | 1 | 20 | 2.50 | 100 |
| LQH1206-120K | 12 | 1 | 35 | 1 | 18 | 2.70 | 95 |
| LQH1206-150K | 15 | 1 | 35 | 1 | 16 | 3.00 | 90 |
| LQH1206-180K | 18 | 1 | 35 | 1 | 15 | 3.40 | 85 |
| LQH1206-220K | 22 | 1 | 40 | 1 | 14 | 3.10 | 85 |
| LQH1206-270K | 27 | 1 | 40 | 1 | 13 | 3.40 | 85 |
| LQH1206-330K | 33 | 1 | 40 | 1 | 12 | 3.80 | 80 |
| LQH1206-390K | 39 | 1 | 40 | 1 | 11 | 7.20 | 85 |
| LQH1206-470K | 47 | 1 | 40 | 1 | 10 | 6.00 | 85 |
| LQH1206-560K | 56 | 1 | 40 | 1 | 9.0 | 8.80 | 50 |
| LQH1206-680K | 68 | 1 | 40 | 1 | 8.5 | 9.90 | 50 |
| LQH1206-820K | 82 | 1 | 40 | 1 | 7.5 | 11.00 | 45 |
| LQH1206-101K | 100 | 1 | 40 | 1 | 7.0 | 12.00 | 45 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS




**Winding**



## TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1850 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current: L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

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Note: All specifications subject to change without notice.

# HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

# LQH1210 SERIES



## FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

## APPLICATIONS:

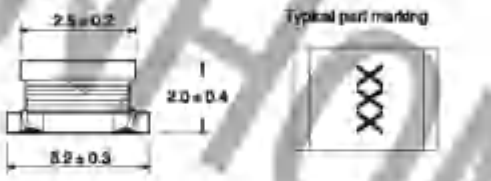
- Modems PDP, LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

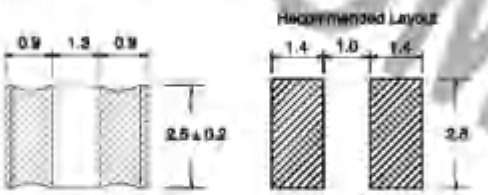
## STANDARD SPECIFICATION:

| Part Number | L (μH) | L Test Freq (KHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (mA Max) |
|---|---|---|---|---|---|---|---|
| LQH1210-R10M | 0.1 | 1 | 10 | 25.2 | 200 | 0.25 | 700 |
| LQH1210-R18M | 0.18 | 1 | 10 | 25.2 | 200 | 0.25 | 650 |
| LQH1210-R27M | 0.27 | 1 | 10 | 25.2 | 200 | 0.25 | 600 |
| LQH1210-R39M | 0.39 | 1 | 10 | 25.2 | 200 | 0.25 | 590 |
| LQH1210-R56M | 0.56 | 1 | 10 | 25.2 | 180 | 0.25 | 530 |
| LQH1210-R68M | 0.68 | 1 | 10 | 25.2 | 160 | 0.25 | 470 |
| LQH1210-R82M | 0.82 | 1 | 10 | 25.21 | 120 | 0.25 | 450 |
| LQH1210-1R0M | 1.0 | 1 | 10 | 1 | 100 | 0.6 | 445 |
| LQH1210-1R2M | 1.2 | 1 | 10 | 1 | 100 | 0.6 | 425 |
| LQH1210-1R5M | 1.5 | 1 | 10 | 1 | 75 | 0.6 | 400 |
| LQH1210-1R8M | 1.8 | 1 | 10 | 1 | 60 | 0.7 | 390 |
| LQH1210-2R2M | 2.2 | 1 | 10 | 1 | 50 | 0.8 | 370 |
| LQH1210-2R7M | 2.7 | 1 | 10 | 1 | 43 | 0.9 | 320 |
| LQH1210-3R3M | 3.3 | 1 | 10 | 1 | 38 | 1.0 | 300 |
| LQH1210-3R9M | 3.9 | 1 | 10 | 1 | 35 | 1.1 | 290 |
| LQH1210-4R7K | 4.7 | 1 | 20 | 1 | 31 | 1.2 | 270 |
| LQH1210-5R6K | 5.6 | 1 | 20 | 1 | 28 | 1.3 | 250 |
| LQH1210-6R8K | 6.8 | 1 | 20 | 1 | 25 | 1.5 | 240 |
| LQH1210-8R2K | 8.2 | 1 | 20 | 1 | 23 | 1.6 | 225 |
| LQH1210-100K | 10 | 1 | 25 | 1 | 20 | 1.8 | 190 |
| LQH1210-120K | 12 | 1 | 25 | 1 | 18 | 2.0 | 180 |
| LQH1210-150K | 15 | 1 | 25 | 1 | 16 | 2.2 | 170 |
| LQH1210-180K | 18 | 1 | 25 | 1 | 15 | 2.5 | 165 |
| LQH1210-220K | 22 | 1 | 25 | 1 | 14 | 2.8 | 150 |
| LQH1210-270K | 27 | 1 | 25 | 1 | 13 | 3.1 | 125 |
| LQH1210-330K | 33 | 1 | 25 | 1 | 12 | 3.5 | 115 |
| LQH1210-390K | 39 | 1 | 25 | 1 | 11 | 3.9 | 110 |
| LQH1210-470K | 47 | 1 | 25 | 1 | 11 | 4.3 | 100 |
| LQH1210-560K | 56 | 1 | 25 | 1 | 10 | 4.9 | 95 |
| LQH1210-680K | 68 | 1 | 25 | 1 | 9.0 | 5.5 | 80 |
| LQH1210-820K | 82 | 1 | 25 | 1 | 8.5 | 6.2 | 70 |
| LQH1210-101K | 100 | 1 | 30 | 0.796 | 8.0 | 7.0 | 80 |
| LQH1210-121K | 120 | 1 | 30 | 0.796 | 7.5 | 8.0 | 75 |
| LQH1210-151K | 150 | 1 | 30 | 0.796 | 7.0 | 9.3 | 70 |
| LQH1210-181K | 180 | 1 | 30 | 0.796 | 6.0 | 10.2 | 65 |
| LQH1210-221K | 220 | 1 | 30 | 0.796 | 5.5 | 11.5 | 65 |
| LQH1210-271K | 270 | 1 | 30 | 0.796 | 5.0 | 12.5 | 55 |
| LQH1210-331K | 330 | 1 | 30 | 0.796 | 5.0 | 13.0 | 55 |
| LQH1210-391K | 390 | 1 | 30 | 0.796 | 5.0 | 22.0 | 50 |
| LQH1210-471K | 470 | 0.001 | 30 | 0.796 | 5.0 | 25.0 | 45 |
| LQH1210-561K | 560 | 0.001 | 30 | 0.796 | 5.0 | 28.0 | 40 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS




**Winding**



## TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current: L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

# HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

# LQH1812 SERIES



## FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

## APPLICATIONS:

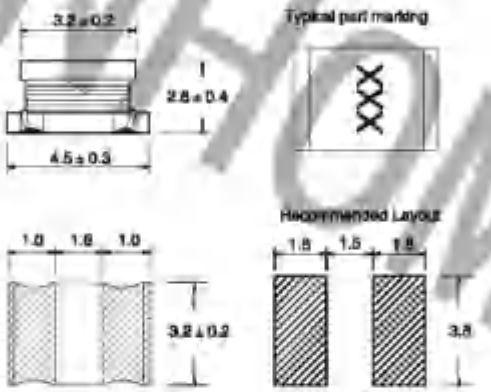
- Modems PDP, LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

## STANDARD SPECIFICATION:

| Part Number | L (μH) | L Test Freq (KHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (mA Max) |
|---|---|---|---|---|---|---|---|
| LQH1812-1R0M | 1.0 | 1 | 20 | 1 | 120 | 0.20 | 550 |
| LQH1812-1R2M | 1.2 | 1 | 20 | 1 | 100 | 0.25 | 530 |
| LQH1812-1R5M | 1.5 | 1 | 20 | 1 | 85 | 0.28 | 500 |
| LQH1812-1R8M | 1.8 | 1 | 20 | 1 | 75 | 0.30 | 500 |
| LQH1812-2R2M | 2.2 | 1 | 20 | 1 | 62 | 0.30 | 500 |
| LQH1812-2R7M | 2.7 | 1 | 20 | 1 | 53 | 0.32 | 500 |
| LQH1812-3R3M | 3.3 | 1 | 20 | 1 | 47 | 0.35 | 500 |
| LQH1812-3R9M | 3.9 | 1 | 20 | 1 | 42 | 0.38 | 500 |
| LQH1812-4R7K | 4.7 | 1 | 30 | 1 | 38 | 0.40 | 500 |
| LQH1812-5R6K | 5.6 | 1 | 30 | 1 | 35 | 0.47 | 500 |
| LQH1812-6R8K | 6.8 | 1 | 30 | 1 | 32 | 0.50 | 500 |
| LQH1812-8R2K | 8.2 | 1 | 30 | 1 | 28 | 0.56 | 500 |
| LQH1812-100K | 10 | 1 | 35 | 1 | 24 | 0.56 | 450 |
| LQH1812-120K | 12 | 1 | 35 | 1 | 22 | 0.62 | 450 |
| LQH1812-150K | 15 | 1 | 35 | 1 | 19 | 0.73 | 390 |
| LQH1812-180K | 18 | 1 | 35 | 1 | 17 | 0.82 | 370 |
| LQH1812-220K | 22 | 1 | 35 | 1 | 15 | 0.94 | 350 |
| LQH1812-270K | 27 | 1 | 35 | 1 | 14 | 1.1 | 330 |
| LQH1812-330K | 33 | 1 | 35 | 1 | 12 | 1.2 | 310 |
| LQH1812-390K | 39 | 1 | 35 | 1 | 11 | 1.4 | 280 |
| LQH1812-470K | 47 | 1 | 35 | 1 | 10 | 1.5 | 250 |
| LQH1812-560K | 56 | 1 | 35 | 1 | 9.5 | 1.7 | 225 |
| LQH1812-680K | 68 | 1 | 35 | 1 | 8.5 | 1.9 | 200 |
| LQH1812-820K | 82 | 1 | 35 | 1 | 7.5 | 2.2 | 185 |
| LQH1812-101K | 100 | 1 | 35 | 0.796 | 6.8 | 2.5 | 175 |
| LQH1812-121K | 120 | 1 | 40 | 0.796 | 6.2 | 3.0 | 165 |
| LQH1812-151K | 150 | 1 | 40 | 0.796 | 5.5 | 3.7 | 155 |
| LQH1812-181K | 180 | 1 | 40 | 0.796 | 5.0 | 4.5 | 135 |
| LQH1812-221K | 220 | 1 | 40 | 0.796 | 4.5 | 5.4 | 125 |
| LQH1812-271K | 270 | 1 | 40 | 0.796 | 4.0 | 6.8 | 115 |
| LQH1812-331K | 330 | 1 | 40 | 0.796 | 3.7 | 8.2 | 100 |
| LQH1812-391K | 390 | 1 | 40 | 0.796 | 3.3 | 9.7 | 90 |
| LQH1812-471K | 470 | 0.001 | 40 | 0.796 | 3.0 | 12 | 80 |
| LQH1812-561K | 560 | 0.001 | 40 | 0.796 | 2.7 | 15 | 70 |
| LQH1812-681K | 680 | 0.001 | 40 | 0.796 | 2.5 | 17 | 65 |
| LQH1812-821K | 820 | 0.001 | 40 | 0.796 | 2.2 | 21 | 60 |
| LQH1812-102K | 1000 | 0.001 | 40 | 0.252 | 2.0 | 25 | 50 |
| LQH1812-122K | 1200 | 0.001 | 40 | 0.252 | 1.8 | 30 | 45 |
| LQH1812-152K | 1500 | 0.001 | 40 | 0.252 | 1.6 | 37 | 40 |
| LQH1812-182K | 1800 | 0.001 | 40 | 0.252 | 1.5 | 45 | 35 |
| LQH1812-222K | 2200 | 0.001 | 40 | 0.252 | 1.3 | 50 | 30 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS




**Winding**



## TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1850 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current: L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710064 Tel:0086-29-87851838 Fax:0086-29-87851840

# HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

# LQH2220 SERIES



## FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

## APPLICATIONS:

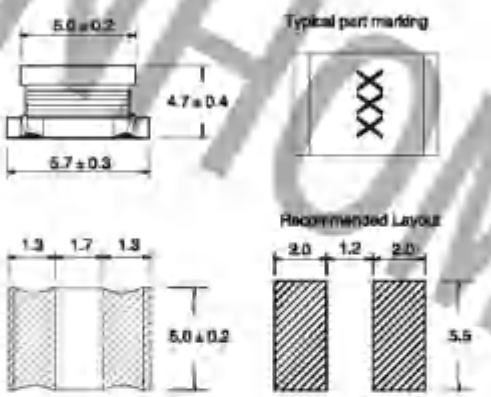
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

## STANDARD SPECIFICATION:

| Part Number | L (μH) | L Test Freq (KHz) | Q (Min) | Q Test Freq (MHz) | SRF (MHz) | DCR (Ω Max) | IDC (A Max) |
|---|---|---|---|---|---|---|---|
| LQH2220-R12M | 0.12 | 1 | 10 | 1 | 450 | 0.010 | 6.0 |
| LQH2220-R27M | 0.27 | 1 | 10 | 1 | 300 | 0.014 | 5.3 |
| LQH2220-R47M | 0.47 | 1 | 10 | 1 | 200 | 0.016 | 4.8 |
| LQH2220-1R0M | 1.0 | 1 | 20 | 1 | 150 | 0.027 | 4.0 |
| LQH2220-1R5M | 1.5 | 1 | 20 | 1 | 110 | 0.031 | 3.7 |
| LQH2220-2R2M | 2.2 | 1 | 20 | 1 | 80 | 0.041 | 3.2 |
| LQH2220-3R3M | 3.3 | 1 | 20 | 1 | 40 | 0.050 | 2.9 |
| LQH2220-4R7M | 4.7 | 1 | 30 | 1 | 30 | 0.057 | 2.7 |
| LQH2220-6R8M | 6.8 | 1 | 30 | 1 | 25 | 0.10 | 2.0 |
| LQH2220-100K | 10 | 1 | 35 | 1 | 20 | 0.13 | 1.7 |
| LQH2220-150K | 15 | 1 | 35 | 1 | 17 | 0.21 | 1.4 |
| LQH2220-220K | 22 | 1 | 35 | 1 | 15 | 0.27 | 1.2 |
| LQH2220-330K | 33 | 1 | 35 | 1 | 12 | 0.45 | 0.9 |
| LQH2220-470K | 47 | 1 | 35 | 1 | 10 | 0.56 | 0.8 |
| LQH2220-680K | 68 | 1 | 35 | 1 | 7.5 | 0.94 | 0.64 |
| LQH2220-101K | 100 | 0.1 | 35 | 0.796 | 6.5 | 1.20 | 0.56 |
| LQH2220-151K | 150 | 0.1 | 40 | 0.796 | 5.0 | 2.66 | 0.42 |
| LQH2220-221K | 220 | 0.1 | 40 | 0.796 | 4.0 | 3.36 | 0.32 |
| LQH2220-331K | 330 | 0.1 | 40 | 0.796 | 3.1 | 6.16 | 0.27 |
| LQH2220-471K | 470 | 0.1 | 40 | 0.796 | 2.4 | 7.56 | 0.24 |
| LQH2220-681K | 680 | 0.1 | 40 | 0.796 | 1.9 | 11.3 | 0.19 |
| LQH2220-102K | 1000 | 0.01 | 40 | 0.796 | 1.7 | 14.4 | 0.15 |
| LQH2220-152K | 1500 | 0.01 | 40 | 0.796 | 1.2 | 30.1 | 0.10 |
| LQH2220-222K | 2200 | 0.01 | 40 | 0.796 | 1.1 | 45.0 | 0.09 |
| LQH2220-332K | 3300 | 0.01 | 40 | 0.796 | 1.0 | 50.0 | 0.08 |
| LQH2220-472K | 4700 | 0.01 | 40 | 0.796 | 0.8 | 81.0 | 0.07 |
| LQH2220-682K | 6800 | 0.01 | 40 | 0.796 | 0.7 | 100 | 0.06 |
| LQH2220-822K | 8200 | 0.01 | 40 | 0.796 | 0.6 | 125 | 0.05 |
| LQH2220-103K | 10000 | 0.01 | 40 | 0.796 | 0.5 | 140 | 0.05 |

Note:1. K= ± 10%,M= ± 20%

## PHYSICAL CHARACTERISTICS




**Winding**



## TECHNICAL INFORMATION:

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current: L value drop10%typ.at IDC against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

# SMD COMMON MODE CHOKES
# LQH6050S SERIES



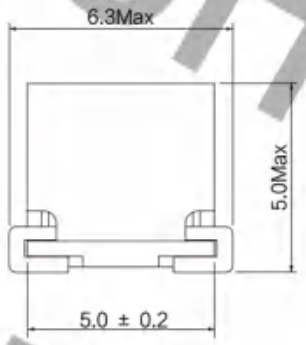
## FEATURES:

- AEC-Q200 compliant
- Compact SMD common mode inductor
- High CM impedance for superior EMI noise suppression
- Robust molded construction, suitable for automated PCB mounting
- Ideal for power filtering, signal line noise reduction & EMC compliance

## ELECTRICAL CHARACTERISTICS:@25℃

| Part Number | Inductance (uH) Min. 100KHz,0.1V | Common mode impedance(Ω) @10MHz | | Rated current (A) | | DCR (mΩ). | Insulation Resistance (MΩ) Min |
|---|---|---|---|---|---|---|---|
| | | Typ. | Min. | 125℃ | 150℃ | | |
| LQH6050S-101 | 1.5 | 100 | 60 | 5.6 | 2.9 | 4 | 10 |
| LQH6050S-201 | 3.5 | 200 | 120 | 4.4 | 2.4 | 7 | 10 |
| LQH6050S-301 | 6.5 | 300 | 180 | 3.7 | 2.2 | 11 | 10 |
| LQH6050S-501 | 10 | 500 | 300 | 3.1 | 1.8 | 17 | 10 |

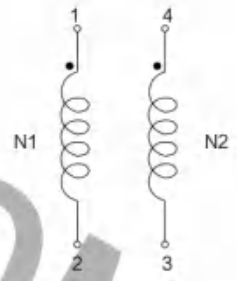
## PHYSICAL CHARACTERISTICS:

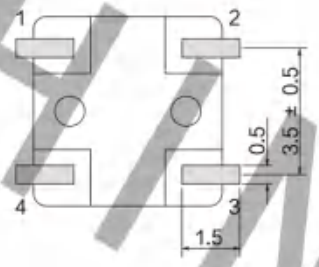


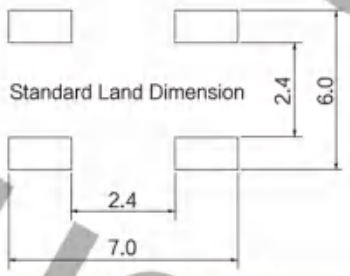




## WINDING:



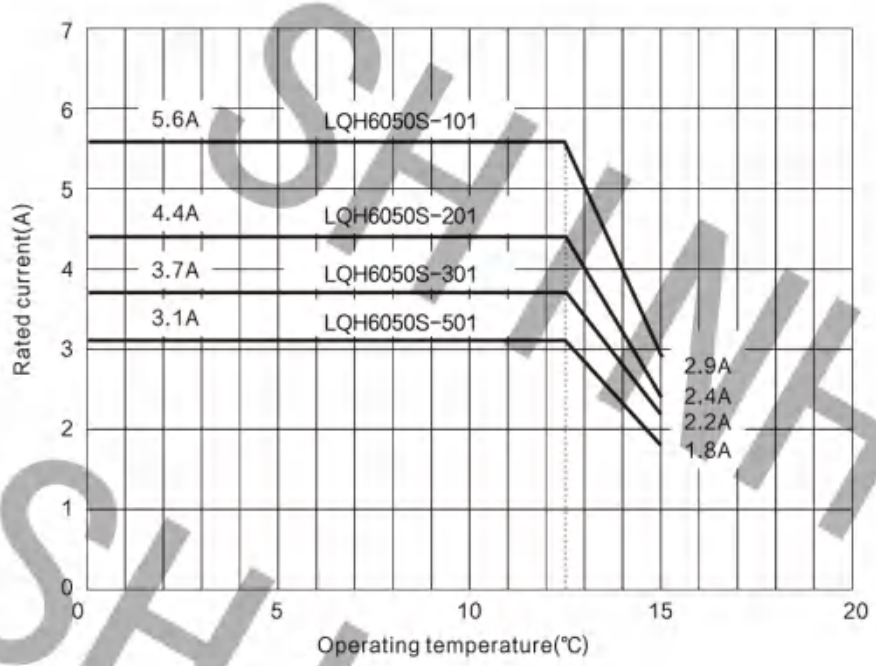

## GENERAL SPECIFICATIONS:

- Rated Current is based on an Irms temperature rise of 20 ℃
- Inductance Test Conditions: 0.1V, 100KHz
- Rated voltage: 80VDC
- Withstand voltage: 200VDC
- Operating Temperature: −55 ℃ to +150 ℃ (Temperature rise included)
- Storage Temperature: −55 ℃ to +150 ℃
- Storage (in original packaging): <25 ℃ , <70% RH
- Peckageing: Tape & Reel is standard (Qty: 300PCS/REEL)

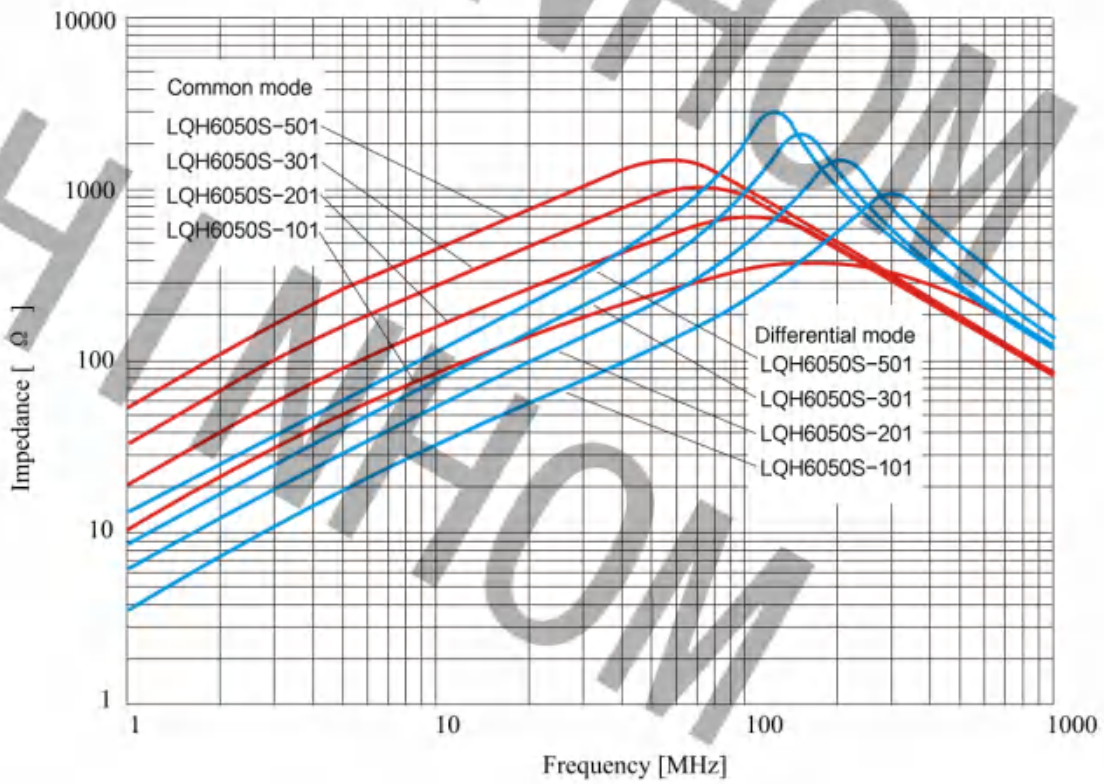
Note:All specifications subject to change without notice.

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## Rated Current is derated as below figure depending on the operating temperature




## Impedance & frequency characteristics




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# THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

# RC0205 SERIES



## FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

## APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

## ELECTRICAL CHARACTERISTICS:

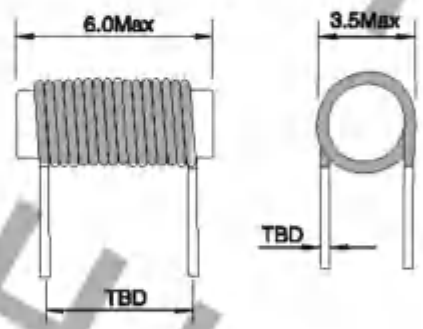
| Part Number | L uH | DCR Ω Max | IDC A Max | SRF (MHz) Min | Wire size (mm) | Turns |
|---|---|---|---|---|---|---|
| RC0205-1R0K | 1.0 | 0.040 | 0.56 | 200 | 0.30 | 11.5 |
| RC0205-1R2K | 1.2 | 0.040 | 0.56 | 180 | 0.30 | 12.5 |

Note:1. K=±10%, M=±20%

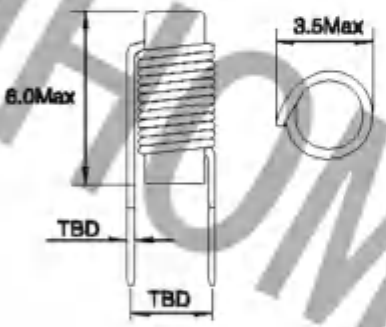
## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

**DIMENSIONS IN:mm**

Horizontal




Vertical




- Inductance measured with zero D.C current
- Increment current reduces Inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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Note:All specifications subject to change without notice.

# THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

# RC0310 SERIES



## FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

## APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

## ELECTRICAL CHARACTERISTICS:

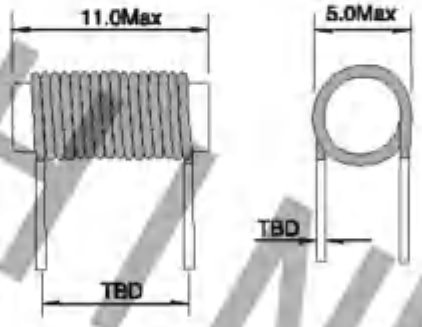
| Part Number | L uH | DCR Ω Max | IDC A Max | SRF (MHz) Min | Wire size (mm) | Turns |
|---|---|---|---|---|---|---|
| RC0310-1R8K | 1.8 | 0.026 | 1.90 | 160 | 0.55 | 11.5 |
| RC0310-2R2K | 2.2 | 0.028 | 1.57 | 150 | 0.50 | 13.5 |
| RC0310-2R7K | 2.7 | 0.030 | 1.57 | 140 | 0.50 | 15.5 |
| RC0310-3R3K | 3.3 | 0.035 | 1.27 | 135 | 0.45 | 17.5 |
| RC0310-3R9K | 3.9 | 0.050 | 1.00 | 110 | 0.40 | 18.5 |
| RC0310-4R7K | 4.7 | 0.070 | 0.76 | 90 | 0.35 | 19.5 |

Note:1. K=±10%, M=±20%

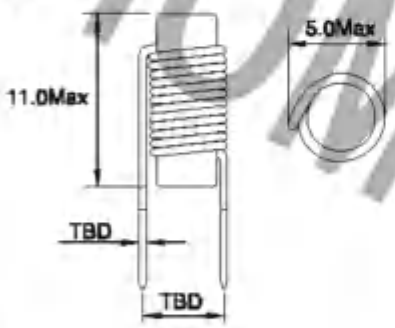
## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

**DIMENSIONS IN:mm**

Horizontal




Vertical




- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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Note:All specifications subject to change without notice.

# THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

# RC0415 SERIES



## FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

## APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

## ELECTRICAL CHARACTERISTICS:

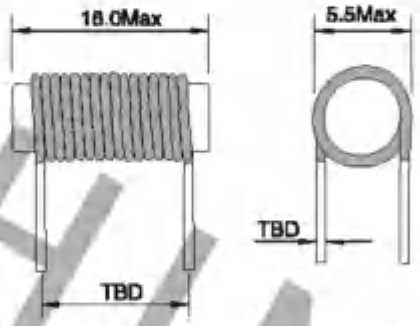
| Part Number | L uH | DCR Ω Max | IDC A Max | SRF (MHz) Min | Wire size (mm) | Turns |
|---|---|---|---|---|---|---|
| RC0415-4R7K | 4.7 | 0.024 | 2.26 | 90 | 0.60 | 17.5 |
| RC0415-5R6K | 5.6 | 0.030 | 1.90 | 80 | 0.55 | 18.5 |
| RC0415-6R8K | 6.8 | 0.040 | 1.57 | 80 | 0.50 | 18.5 |
| RC0415-8R2K | 8.2 | 0.060 | 1.27 | 80 | 0.45 | 21.5 |
| RC0415-100K | 10 | 0.080 | 1.00 | 70 | 0.40 | 24.5 |

Note:1. K=±10%,M=±20%

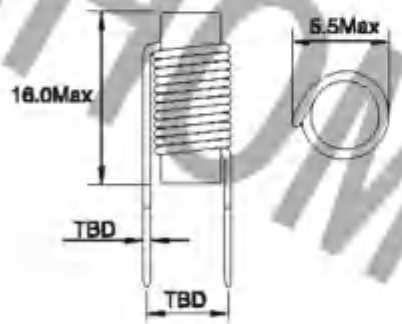
## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

**DIMENSIONS IN:mm**

Horizontal




Vertical




- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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Note:All specifications subject to change without notice.

# THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

# RC0520 SERIES



## FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

## APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

## ELECTRICAL CHARACTERISTICS:

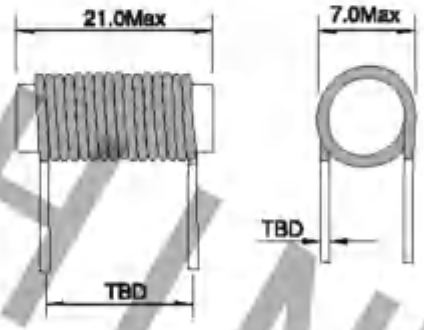
| Part Number | L uH | DCR Ω Max | IDC A Max | SRF (MHz) Min | Wire size (mm) | Turns |
|---|---|---|---|---|---|---|
| RC0520-100K | 10 | 0.040 | 2.65 | 60 | 0.65 | 22.5 |
| RC0520-120K | 12 | 0.044 | 2.26 | 55 | 0.60 | 23.5 |
| RC0520-150K | 15 | 0.060 | 1.90 | 45 | 0.55 | 27.5 |
| RC0520-180K | 18 | 0.060 | 1.57 | 40 | 0.50 | 29.5 |
| RC0520-220K | 22 | 0.100 | 1.27 | 38 | 0.45 | 32.5 |
| RC0520-270K | 27 | 0.150 | 1.00 | 38 | 0.40 | 36.5 |

Note:1. K=±10%,M=±20%

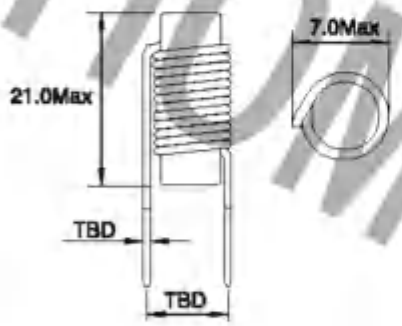
## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

**DIMENSIONS IN:mm**

Horizontal




Vertical




- Inductance measured with zero D.C current
- Increment current reduces Inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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Note:All specifications subject to change without notice.

# THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

# RC0630 SERIES



## FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

## APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

## ELECTRICAL CHARACTERISTICS:

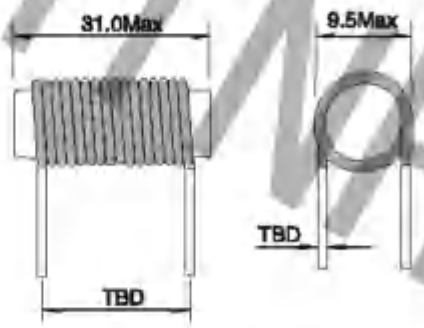
| Part Number | L uH | DCR Ω Max | IDC A Max | SRF (MHz) Min | Wire size (mm) | Turns |
|---|---|---|---|---|---|---|
| RC0630-4R7K | 4.7 | 0.005 | 16.06 | 85 | 1.60 | 12.5 |
| RC0630-5R6K | 5.6 | 0.005 | 16.06 | 80 | 1.60 | 14.5 |
| RC0630-6R8K | 6.8 | 0.006 | 10.61 | 75 | 1.30 | 15.5 |
| RC0630-8R2K | 8.2 | 0.009 | 9.04 | 67 | 1.20 | 16.5 |
| RC0630-100K | 10 | 0.010 | 9.04 | 64 | 1.20 | 19.5 |
| RC0630-120K | 12 | 0.018 | 6.28 | 57 | 1.00 | 20.5 |
| RC0630-150K | 15 | 0.023 | 5.08 | 53 | 0.90 | 23.5 |
| RC0630-180K | 18 | 0.030 | 4.02 | 49 | 0.80 | 24.5 |
| RC0630-220K | 22 | 0.045 | 3.07 | 44 | 0.70 | 27.5 |
| RC0630-270K | 27 | 0.050 | 3.07 | 42 | 0.70 | 31.5 |
| RC0630-330K | 33 | 0.060 | 2.65 | 38 | 0.65 | 35.5 |
| RC0630-390K | 39 | 0.080 | 2.28 | 34 | 0.60 | 40.5 |
| RC0630-470K | 47 | 0.110 | 1.90 | 32 | 0.55 | 44.5 |
| RC0630-560K | 56 | 0.140 | 1.57 | 30 | 0.50 | 46.5 |

Note:1. K= ±10%,M=±20%

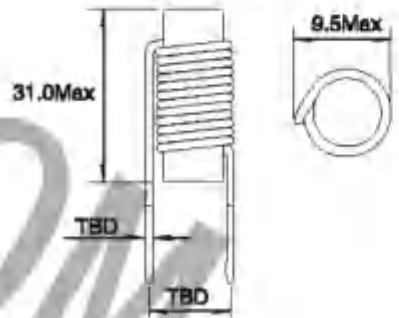
## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal




Vertical




- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

Note:All specifications subject to change without notice.



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# 承认书

# Specification

客户名称：
Customer Name：

规格书编号：
Spicification NO：SDR Series Rev:A

客户品名：
Product P/N：

信鸿品名：
Shinhom's P/N：

变更履历:
Revised record:

| Rev. | Effective Date | Changed Contents | Change reasons | Approved by |
|---|---|---|---|---|
| A | Sep-01-2016 | New released | | Paul |
| | | | | |

客户承认栏（请签名并写明日期后回传）

| Customer's Approval |
|---|
| |

陕西信鸿磁业科技有限公司

| Confirmed | Checked | Prepared |
|---|---|---|
| | | |

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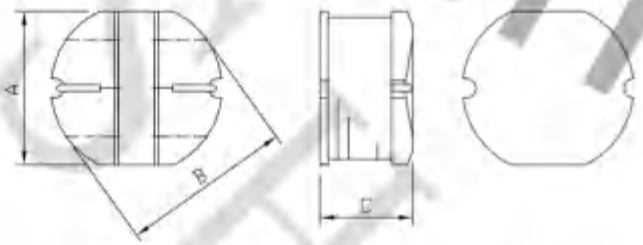
Type Name:**SDR** Series



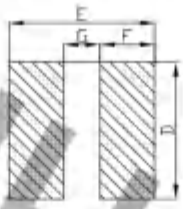
Construction/**磁气构造图**



Dimensions/**外形尺寸图**(Unit:mm)




Land patterns/**贴装尺寸**




Shape and Size:(Dimensions are in mm)

| Type Name/型名 | A | B | C | D | E | F | G | QTY(MPQ) pcs/reel 最小包装数（个/盘） |
|---|---|---|---|---|---|---|---|---|
| SDR0301 | 3.0±0.3 | 3.5±0.3 | 1.6±0.30 | 3.2REF | 3.5REF | 1.25REF | 1.0REF | 3500 |
| SDR0302 | 3.0±0.3 | 3.5±0.3 | 2.1±0.30 | 3.2REF | 3.5REF | 1.25REF | 1.0REF | 3000 |
| SDR0402 | 4.0±0.3 | 4.5±0.3 | 2.0±0.30 | 4.2REF | 4.5REF | 1.75REF | 1.0REF | 3000 |
| SDR0403 | 4.0±0.3 | 4.5±0.3 | 3.2±0.30 | 4.5REF | 5.0REF | 1.75REF | 1.5REF | 2000 |
| SDR0503 | 5.2±0.3 | 5.8±0.3 | 3.0±0.35 | 5.5REF | 6.0REF | 2.15REF | 1.7REF | 2000 |
| SDR0504 | 5.2±0.3 | 5.8±0.3 | 4.5±0.35 | 5.5REF | 6.0REF | 2.15REF | 1.7REF | 1500 |
| SDR0703 | 7.0±0.3 | 7.8±0.3 | 3.5±0.50 | 7.5REF | 8.0REF | 3.00REF | 2.0REF | 1000 |
| SDR0705 | 7.0±0.3 | 7.8±0.3 | 5.0±0.50 | 7.5REF | 8.0REF | 3.00REF | 2.0REF | 1000 |
| SDR1004 | 9.0±0.4 | 10±0.4 | 4.0±0.40 | 9.5REF | 10.0REF | 3.75REF | 2.5REF | 1000 |
| SDR1005 | 9.0±0.4 | 10±0.4 | 5.4±0.40 | 9.5REF | 10.0REF | 3.75REF | 2.5REF | 1000 |
| SDR1008 | 9.0±0.4 | 10±0.4 | 8.0±0.40 | 9.5REF | 10.0REF | 3.75REF | 2.5REF | 400 |
| SDR1307 | 13.0±0.7 | 13±0.7 | 7.0±0.40 | 14.0REF | 14.0REF | 4.75REF | 4.5REF | 400 |

Product Identification/**品名注释**

**S DR 0302 - 100 M**

(1) (2) (3) (4) (5)

(1) SMD/表面安装制品

(2) Drum Core Used /使用工字型磁芯

(3) Dimension symbol/尺寸表示

0302=3.5 X 2.1 mm (W X H)

(4) Inductance value/电感值:

4R7= 4.7uH,100=10uH,101=100uH

(5) Tolerance/公差: K=± 10%,L=± 15%,M=± 20%,

P=±25%,N=±30%

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Specifications/规格

| Type Name: SDR0301 | | | | |
|---|---|---|---|---|
| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ)MAX. | Rated current 额定电流(A) ※ |
| SDR0301-1R0M | 1.0±20% | 100KHz | 48 | 1.60 |
| SDR0301-1R5M | 1.5±20% | 100KHz | 60 | 1.55 |
| SDR0301-2R5M | 2.5±20% | 100KHz | 78 | 1.47 |
| SDR0301-3R3M | 3.3±20% | 100KHz | 125 | 1.34 |
| SDR0301-3R9M | 3.9±20% | 100KHz | 140 | 1.24 |
| SDR0301-4R7M | 4.7±20% | 100KHz | 158 | 1.22 |
| SDR0301-5R6M | 5.6±20% | 100KHz | 185 | 1.09 |
| SDR0301-6R8M | 6.8±20% | 100KHz | 210 | 0.96 |
| SDR0301-8R2M | 8.2±20% | 100KHz | 235 | 0.84 |
| SDR0301-100M | 10±20% | 100KHz | 305 | 0.70 |
| SDR0301-120M | 12±20% | 100KHz | 370 | 0.65 |
| SDR0301-150M | 15±20% | 100KHz | 465 | 0.59 |
| SDR0301-180M | 18±20% | 100KHz | 515 | 0.54 |
| SDR0301-220K | 22±10% | 100KHz | 655 | 0.48 |
| SDR0301-270K | 27±10% | 100KHz | 770 | 0.43 |
| SDR0301-330K | 33±10% | 100KHz | 1020 | 0.37 |
| SDR0301-390K | 39±10% | 100KHz | 1120 | 0.32 |
| SDR0301-470K | 47±10% | 100KHz | 1500 | 0.28 |
| SDR0301-560K | 56±10% | 100KHz | 1670 | 0.24 |
| SDR0301-680K | 68±10% | 100KHz | 1910 | 0.23 |
| SDR0301-820K | 82±10% | 100KHz | 2540 | 0.21 |
| SDR0301-101K | 100±10% | 1KHz | 2870 | 0.19 |
| SDR0301-121K | 120±10% | 1KHz | 4090 | 0.17 |
| SDR0301-151K | 150±10% | 1KHz | 4700 | 0.14 |
| SDR0301-181K | 180±10% | 1KHz | 5600 | 0.12 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

| Type Name: SDR0302 | | | | |
|---|---|---|---|---|
| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ)MAX. | Rated current 额定电流(A) ※ |
| SDR0302-1R0M | 1.0±20% | 100KHz | 50 | 3.30 |
| SDR0302-2R2M | 2.2±20% | 100KHz | 68 | 2.25 |
| SDR0302-3R3M | 3.3±20% | 100KHz | 98 | 1.83 |
| SDR0302-4R7M | 4.7±20% | 100KHz | 135 | 1.50 |
| SDR0302-5R6M | 5.6±20% | 100KHz | 155 | 1.36 |
| SDR0302-6R8M | 6.8±20% | 100KHz | 185 | 1.22 |
| SDR0302-8R2M | 8.2±20% | 100KHz | 230 | 1.10 |
| SDR0302-100M | 10±20% | 100KHz | 285 | 0.95 |
| SDR0302-120M | 12±20% | 100KHz | 320 | 0.88 |
| SDR0302-150M | 15±20% | 100KHz | 395 | 0.82 |
| SDR0302-180M | 18±20% | 100KHz | 520 | 0.76 |
| SDR0302-220K | 22±10% | 100KHz | 680 | 0.62 |

| | | | | |
|---|---|---|---|---|
| SDR0302-270K | 27±10% | 100KHz | 760 | 0.60 |
| SDR0302-330K | 33±10% | 100KHz | 870 | 0.56 |
| SDR0302-390K | 39±10% | 100KHz | 1100 | 0.51 |
| SDR0302-470K | 47±10% | 100KHz | 1250 | 0.47 |
| SDR0302-560K | 56±10% | 100KHz | 1580 | 0.42 |
| SDR0302-680K | 68±10% | 100KHz | 1820 | 0.38 |
| SDR0302-820K | 82±10% | 100KHz | 2440 | 0.34 |
| SDR0302-101K | 100±10% | 1KHz | 2840 | 0.31 |
| SDR0302-121K | 120±10% | 1KHz | 3190 | 0.28 |
| SDR0302-151K | 150±10% | 1KHz | 4200 | 0.16 |
| SDR0302-181K | 180±10% | 1KHz | 5100 | 0.15 |
| SDR0302-221K | 220±10% | 1KHz | 7300 | 0.14 |
| SDR0302-271K | 270±10% | 1KHz | 8200 | 0.12 |
| SDR0302-331K | 330±10% | 1KHz | 10150 | 0.10 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:**SDR0402**

| Part No./品名 | Inductance/电感量(μH) | Test Condition/测试条件 | D.C.R./直流电阻 (mΩ) MAX. | Rated current 额定电流(A) ※ |
|---|---|---|---|---|
| SDR0402-2R7M | 2.7±20% | 100KHz | 65 | 1.50 |
| SDR0402-4R7M | 4.7±20% | 100KHz | 95 | 1.40 |
| SDR0402-100M | 10±20% | 100KHz | 180 | 0.97 |
| SDR0402-220K | 22±10% | 100KHz | 450 | 0.60 |
| SDR0402-270K | 27±10% | 100KHz | 470 | 0.55 |
| SDR0402-330K | 33±10% | 100KHz | 500 | 0.52 |
| SDR0402-390K | 39±10% | 100KHz | 710 | 0.50 |
| SDR0402-470K | 47±10% | 100KHz | 800 | 0.48 |
| SDR0402-560K | 56±10% | 100KHz | 900 | 0.45 |
| SDR0402-101K | 100±10% | 100KHz | 1500 | 0.12 |
| SDR0402-151K | 150±10% | 100KHz | 2300 | 0.11 |
| SDR0402-221K | 220±10% | 100KHz | 3200 | 0.105 |
| SDR0402-331K | 330±10% | 100KHz | 4000 | 0.10 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:**SDR0403**

| Part No./品名 | Inductance/电感量(μH) | Test Condition/测试条件 | D.C.R./直流电阻 (mΩ) MAX. | Rated current 额定电流(A) ※ |
|---|---|---|---|---|
| SDR0403-1R0M | 1.0±20% | 100KHz | 485 | 2.70 |
| SDR0403-1R4M | 1.4±20% | 100KHz | 560 | 2.50 |
| SDR0403-1R8M | 1.8±20% | 100KHz | 635 | 2.33 |
| SDR0403-2R2M | 2.2±20% | 100KHz | 710 | 2.25 |
| SDR0403-2R7M | 2.7±20% | 100KHz | 785 | 2.16 |
| SDR0403-3R3M | 3.3±20% | 100KHz | 860 | 2.00 |
| SDR0403-3R9M | 3.9±20% | 100KHz | 935 | 1.85 |
| SDR0403-4R7M | 4.7±20% | 100KHz | 108 | 1.82 |
| SDR0403-5R6M | 5.6±20% | 100KHz | 125 | 1.48 |
| SDR0403-6R8M | 6.8±20% | 100KHz | 130 | 1.43 |

| | | | | |
|---|---|---|---|---|
| SDR0403-8R2M | 8.2±20% | 100KHz | 145 | 1.37 |
| SDR0403-100M | 10±20% | 100KHz | 180 | 1.05 |
| SDR0403-120M | 12±20% | 100KHz | 210 | 0.97 |
| SDR0403-150M | 15±20% | 100KHz | 235 | 0.85 |
| SDR0403-180M | 18±20% | 100KHz | 335 | 0.74 |
| SDR0403-220K | 22±10% | 100KHz | 375 | 0.68 |
| SDR0403-270K | 27±10% | 100KHz | 520 | 0.62 |
| SDR0403-330K | 33±10% | 100KHz | 540 | 0.56 |
| SDR0403-390K | 39±10% | 100KHz | 585 | 0.52 |
| SDR0403-470K | 47±10% | 100KHz | 845 | 0.44 |
| SDR0403-560K | 56±10% | 100KHz | 935 | 0.42 |
| SDR0403-680K | 68±10% | 100KHz | 1110 | 0.37 |
| SDR0403-820K | 82±10% | 100KHz | 1180 | 0.33 |
| SDR0403-101K | 100±10% | 1KHz | 1190 | 0.29 |
| SDR0403-121K | 120±10% | 1KHz | 1400 | 0.26 |
| SDR0403-151K | 150±10% | 1KHz | 1800 | 0.23 |
| SDR0403-181K | 180±10% | 1KHz | 2040 | 0.20 |
| SDR0403-221K | 220±10% | 1KHz | 2850 | 0.18 |
| SDR0403-271K | 270±10% | 1KHz | 3170 | 0.16 |
| SDR0403-331K | 330±10% | 1KHz | 3980 | 0.13 |

※ The rated current when the inductance decreases to 10% of initial value (Ta=25℃)

Type Name:SDR0503

| Part No./品名 | Inductance/电感值(μH) | Test Condition/测试条件 | D.C.R./直流电阻 (mΩ)MAX. | Rated current 额定电流 (A) ※ |
|---|---|---|---|---|
| SDR0503-1R0M | 1.0±20% | 100KHz | 38 | 4.50 |
| SDR0503-2R2M | 2.2±20% | 100KHz | 45 | 3.50 |
| SDR0503-3R3M | 3.3±20% | 100KHz | 55 | 2.80 |
| SDR0503-3R9M | 3.9±20% | 100KHz | 64 | 2.60 |
| SDR0503-4R7M | 4.7±20% | 100KHz | 72 | 2.50 |
| SDR0503-5R6M | 5.6±20% | 100KHz | 84 | 2.40 |
| SDR0503-6R8M | 6.8±20% | 100KHz | 90 | 2.20 |
| SDR0503-8R2M | 8.2±20% | 100KHz | 100 | 2.00 |
| SDR0503-100M | 10±20% | 100KHz | 120 | 1.80 |
| SDR0503-120M | 12±20% | 100KHz | 130 | 1.75 |
| SDR0503-150M | 15±20% | 100KHz | 150 | 1.70 |
| SDR0503-180M | 18±20% | 100KHz | 180 | 1.60 |
| SDR0503-220K | 22±10% | 100KHz | 220 | 1.50 |
| SDR0503-270K | 27±10% | 100KHz | 240 | 1.40 |
| SDR0503-330K | 33±10% | 100KHz | 300 | 1.10 |
| SDR0503-390K | 39±10% | 100KHz | 400 | 1.00 |
| SDR0503-470K | 47±10% | 100KHz | 430 | 0.90 |
| SDR0503-560K | 56±10% | 100KHz | 500 | 0.85 |
| SDR0503-680K | 68±10% | 100KHz | 600 | 0.80 |
| SDR0503-820K | 82±10% | 100KHz | 800 | 0.65 |
| SDR0503-101K | 100±10% | 1KHz | 900 | 0.60 |

| | | | | |
|---|---|---|---|---|
| SDR0503-121K | 120±10% | 1KHz | 1000 | 0.55 |
| SDR0503-151K | 150±10% | 1KHz | 1300 | 0.43 |
| SDR0503-181K | 180±10% | 1KHz | 1500 | 0.40 |
| SDR0503-221K | 220±10% | 1KHz | 2000 | 0.38 |
| SDR0503-271K | 270±10% | 1KHz | 2500 | 0.35 |
| SDR0503-331K | 330±10% | 1KHz | 3200 | 0.28 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

## Type Name:SDR0504

| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ) MAX. | Rated current 额定电流(A) ※ |
|---|---|---|---|---|
| SDR0504-1R2M | 1.2±20% | 100KHz | 20 | 5.00 |
| SDR0504-1R5M | 1.5±20% | 100KHz | 25 | 4.80 |
| SDR0504-2R2M | 2.2±20% | 100KHz | 27 | 4.50 |
| SDR0504-2R7M | 2.7±20% | 100KHz | 30 | 3.90 |
| SDR0504-3R3M | 3.3±20% | 100KHz | 34 | 3.00 |
| SDR0504-4R7M | 4.7±20% | 100KHz | 40 | 2.80 |
| SDR0504-6R8M | 6.8±20% | 100KHz | 80 | 2.50 |
| SDR0504-100M | 10±20% | 100KHz | 100 | 1.44 |
| SDR0504-120M | 12±20% | 100KHz | 120 | 1.40 |
| SDR0504-150M | 15±20% | 100KHz | 140 | 1.30 |
| SDR0504-180M | 18±20% | 100KHz | 150 | 1.23 |
| SDR0504-220K | 22±10% | 100KHz | 180 | 1.11 |
| SDR0504-270K | 27±10% | 100KHz | 200 | 0.97 |
| SDR0504-330K | 33±10% | 100KHz | 230 | 0.88 |
| SDR0504-390K | 39±10% | 100KHz | 320 | 0.80 |
| SDR0504-470K | 47±10% | 100KHz | 370 | 0.72 |
| SDR0504-560K | 56±10% | 100KHz | 430 | 0.68 |
| SDR0504-680K | 68±10% | 100KHz | 480 | 0.61 |
| SDR0504-820K | 82±10% | 100KHz | 600 | 0.58 |
| SDR0504-101K | 100±10% | 1KHz | 700 | 0.52 |
| SDR0504-121K | 120±10% | 1KHz | 930 | 0.48 |
| SDR0504-151K | 150±10% | 1KHz | 1100 | 0.40 |
| SDR0504-181K | 180±10% | 1KHz | 1380 | 0.38 |
| SDR0504-221K | 220±10% | 1KHz | 1560 | 0.35 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

## Type Name:SDR0703

| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ) MAX. | Rated current 额定电流(A) ※ |
|---|---|---|---|---|
| SDR0703-100M | 10±20% | 100KHz | 80 | 1.45 |
| SDR0703-120M | 12±20% | 100KHz | 90 | 1.40 |
| SDR0703-150M | 15±20% | 100KHz | 104 | 1.25 |
| SDR0703-180M | 18±20% | 100KHz | 110 | 1.12 |
| SDR0703-220K | 22±10% | 100KHz | 129 | 1.08 |
| SDR0703-270K | 27±10% | 100KHz | 153 | 0.95 |
| SDR0703-330K | 33±10% | 100KHz | 170 | 0.85 |

| | | | | |
|---|---|---|---|---|
| SDR0703-390K | 39±10% | 100KHz | 217 | 0.75 |
| SDR0703-470K | 47±10% | 100KHz | 250 | 0.68 |
| SDR0703-560K | 56±10% | 100KHz | 280 | 0.65 |
| SDR0703-680K | 68±10% | 100KHz | 330 | 0.60 |
| SDR0703-820K | 82±10% | 100KHz | 405 | 0.55 |
| SDR0703-101K | 100±10% | 100KHz | 480 | 0.51 |
| SDR0703-121K | 120±10% | 100KHz | 535 | 0.49 |
| SDR0703-151K | 150±10% | 100KHz | 755 | 0.40 |
| SDR0703-181K | 180±10% | 100KHz | 1080 | 0.36 |
| SDR0703-221K | 220±10% | 100KHz | 1200 | 0.31 |
| SDR0703-271K | 270±10% | 100KHz | 1300 | 0.29 |
| SDR0703-331K | 330±10% | 100KHz | 1500 | 0.28 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:**SDR0705**

| Part No./品名 | Inductance/电感值(μH) | Test Condition/<br>测试条件 | D.C.R./直流电阻<br>(mΩ) MAX. | Rated current<br>额定电流(A) ※ |
|---|---|---|---|---|
| SDR0705-1R2M | 1.2±20% | 100KHz, | 15 | 7.50 |
| SDR0705-2R2M | 2.2±20% | 100KHz, | 23 | 5.30 |
| SDR0705-3R3M | 3.3±20% | 100KHz, | 28 | 4.50 |
| SDR0705-4R7M | 4.7±20% | 100KHz, | 45 | 4.00 |
| SDR0705-6R8M | 6.8±20% | 100KHz, | 58 | 3.20 |
| SDR0705-8R2M | 8.2±20% | 100KHz, | 60 | 2.80 |
| SDR0705-100M | 10±20% | 100KHz | 70 | 2.30 |
| SDR0705-120M | 12±20% | 100KHz | 80 | 2.00 |
| SDR0705-150M | 15±20% | 100KHz | 90 | 1.80 |
| SDR0705-180M | 18±20% | 100KHz | 100 | 1.60 |
| SDR0705-220K | 22±10% | 100KHz | 110 | 1.50 |
| SDR0705-270K | 27±10% | 100KHz | 120 | 1.30 |
| SDR0705-330K | 33±10% | 100KHz | 130 | 1.20 |
| SDR0705-390K | 39±10% | 100KHz | 160 | 1.10 |
| SDR0705-470K | 47±10% | 100KHz | 180 | 1.10 |
| SDR0705-560K | 56±10% | 100KHz | 240 | 0.94 |
| SDR0705-680K | 68±10% | 100KHz | 280 | 0.85 |
| SDR0705-820K | 82±10% | 100KHz | 370 | 0.78 |
| SDR0705-101K | 100±10% | 1KHz | 430 | 0.72 |
| SDR0705-121K | 120±10% | 1KHz | 470 | 0.66 |
| SDR0705-151K | 150±10% | 1KHz | 640 | 0.58 |
| SDR0705-181K | 180±10% | 1KHz | 710 | 0.51 |
| SDR0705-221K | 220±10% | 1KHz | 960 | 0.49 |
| SDR0705-271K | 270±10% | 1KHz | 1110 | 0.42 |
| SDR0705-331K | 330±10% | 1KHz | 1260 | 0.40 |
| SDR0705-391K | 390±10% | 1KHz | 1770 | 0.36 |
| SDR0705-471K | 470±10% | 1KHz | 1960 | 0.34 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

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| Type Name:SDR1004 | | | | |
|---|---|---|---|---|
| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ)MAX. | Rated current 额定电流(A) ※ |
| SDR1004-100M | 10±20% | 100KHz | 53 | 2.40 |
| SDR1004-120M | 12±20% | 100KHz | 61 | 2.15 |
| SDR1004-150M | 15±20% | 100KHz | 70 | 1.90 |
| SDR1004-180M | 18±20% | 100KHz | 81 | 1.75 |
| SDR1004-220K | 22±10% | 100KHz | 88 | 1.60 |
| SDR1004-270K | 27±10% | 100KHz | 100 | 1.45 |
| SDR1004-330K | 33±10% | 100KHz | 120 | 1.26 |
| SDR1004-390K | 39±10% | 100KHz | 150 | 1.20 |
| SDR1004-470K | 47±10% | 100KHz | 170 | 1.10 |
| SDR1004-560K | 56±10% | 100KHz | 200 | 1.00 |
| SDR1004-680K | 68±10% | 100KHz | 222 | 0.92 |
| SDR1004-820K | 82±10% | 100KHz | 250 | 0.85 |
| SDR1004-101K | 100±10% | 1KHz | 345 | 0.75 |
| SDR1004-121K | 120±10% | 1KHz | 400 | 0.70 |
| SDR1004-151K | 150±10% | 1KHz | 540 | 0.62 |
| SDR1004-181K | 180±10% | 1KHz | 620 | 0.56 |
| SDR1004-221K | 220±10% | 1KHz | 720 | 0.53 |
| SDR1004-271K | 270±10% | 1KHz | 950 | 0.45 |
| SDR1004-331K | 330±10% | 1KHz | 1100 | 0.42 |
| SDR1004-391K | 390±10% | 1KHz | 1250 | 0.38 |
| SDR1004-471K | 470±10% | 1KHz | 1520 | 0.35 |
| SDR1004-561K | 560±10% | 1KHz | 1900 | 0.32 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

| Type Name:SDR1005 | | | | |
|---|---|---|---|---|
| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ)MAX. | Rated current 额定电流(A) ※ |
| SDR1005-100M | 10±20% | 100KHz | 60 | 2.60 |
| SDR1005-120M | 12±20% | 100KHz | 70 | 2.45 |
| SDR1005-150M | 15±20% | 100KHz | 80 | 2.27 |
| SDR1005-180M | 18±20% | 100KHz | 90 | 2.15 |
| SDR1005-220K | 22±10% | 100KHz | 100 | 1.95 |
| SDR1005-270K | 27±10% | 100KHz | 110 | 1.76 |
| SDR1005-330K | 33±10% | 100KHz | 120 | 1.50 |
| SDR1005-390K | 39±10% | 100KHz | 140 | 1.37 |
| SDR1005-470K | 47±10% | 100KHz | 170 | 1.28 |
| SDR1005-560K | 56±10% | 100KHz | 190 | 1.17 |
| SDR1005-680K | 68±10% | 100KHz | 220 | 1.11 |
| SDR1005-820K | 82±10% | 100KHz | 250 | 1.00 |
| SDR1005-101K | 100±10% | 1KHz | 350 | 0.97 |
| SDR1005-121K | 120±10% | 1KHz | 400 | 0.89 |
| SDR1005-151K | 150±10% | 1KHz | 470 | 0.78 |
| SDR1005-181K | 180±10% | 1KHz | 630 | 0.72 |
| SDR1005-221K | 220±10% | 1KHz | 730 | 0.66 |

| | | | | |
|---|---|---|---|---|
| SDR1005-271K | 270±10% | 1KHz | 970 | 0.57 |
| SDR1005-331K | 330±10% | 1KHz | 1150 | 0.52 |
| SDR1005-391K | 390±10% | 1KHz | 1300 | 0.48 |
| SDR1005-471K | 470±10% | 1KHz | 1480 | 0.42 |
| SDR1005-561K | 560±10% | 1KHz | 1900 | 0.33 |
| SDR1005-681K | 680±10% | 1KHz | 2250 | 0.28 |
| SDR1005-821K | 820±10% | 1KHz | 2550 | 0.24 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

Type Name:SDR1008

| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | DC.R./直流电阻 (mΩ)MAX. | Rated current 额定电流(A) 类 |
|---|---|---|---|---|
| SDR1008-1R0M | 1.0±20% | 100KHz | 8 | 10.0 |
| SDR1008-1R5M | 1.5±20% | 100KHz | 10.5 | 9.0 |
| SDR1008-2R2M | 2.2±20% | 100KHz | 12 | 8.0 |
| SDR1008-3R3M | 3.3±20% | 100KHz | 16 | 7.2 |
| SDR1008-3R9M | 3.9±20% | 100KHz | 17 | 6.8 |
| SDR1008-4R7M | 4.7±20% | 100KHz | 19 | 6.0 |
| SDR1008-5R6M | 5.6±20% | 100KHz | 23.5 | 5.5 |
| SDR1008-6R8M | 6.8±20% | 100KHz | 35 | 5.0 |
| SDR1008-8R2M | 8.2±20% | 100KHz | 45 | 4.5 |
| SDR1008-100M | 10±20% | 100KHz | 60 | 4.0 |
| SDR1008-120M | 12±20% | 100KHz | 70 | 3.8 |
| SDR1008-150M | 15±20% | 100KHz | 80 | 3.5 |
| SDR1008-180M | 18±20% | 100KHz | 90 | 3.3 |
| SDR1008-220K | 22±10% | 100KHz | 100 | 3.2 |
| SDR1008-270K | 27±10% | 100KHz | 110 | 3.0 |
| SDR1008-330K | 33±10% | 100KHz | 120 | 2.8 |
| SDR1008-390K | 39±10% | 100KHz | 140 | 2.5 |
| SDR1008-470K | 47±10% | 100KHz | 170 | 2.1 |
| SDR1008-560K | 56±10% | 100KHz | 190 | 2.0 |
| SDR1008-680K | 68±10% | 100KHz | 220 | 1.8 |
| SDR1008-820K | 82±10% | 100KHz | 250 | 1.6 |
| SDR1008-101K | 100±10% | 1KHz | 350 | 1.5 |
| SDR1008-121K | 120±10% | 1KHz | 440 | 1.4 |
| SDR1008-151K | 150±10% | 1KHz | 470 | 1.3 |
| SDR1008-181K | 180±10% | 1KHz | 680 | 1.2 |
| SDR1008-221K | 220±10% | 1KHz | 730 | 1.1 |
| SDR1008-271K | 270±10% | 1KHz | 1050 | 1.0 |
| SDR1008-331K | 330±10% | 1KHz | 1150 | 0.9 |
| SDR1008-391K | 390±10% | 1KHz | 1300 | 0.8 |
| SDR1008-471K | 470±10% | 1KHz | 1480 | 0.7 |
| SDR1008-561K | 560±10% | 1KHz | 1900 | 0.65 |
| SDR1008-681K | 680±10% | 1KHz | 2250 | 0.60 |
| SDR1008-821K | 820±10% | 1KHz | 2550 | 0.55 |
| SDR1008-102K | 1000±10% | 1KHz | 3000 | 0.50 |
| SDR1008-122K | 1200±10% | 1KHz | 3500 | 0.45 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

SHINHOM

| Type Name: SDR1307 | | | | |
|---|---|---|---|---|
| Part No./品名 | Inductance/电感值(μH) | Test Condition/ 测试条件 | D.C.R./直流电阻 (mΩ)MAX. | Rated current 额定电流(A) ※ |
| SDR1307-1R5M | 1.5±20% | 100KHz | 5.0 | 9.5 |
| SDR1307-2R2M | 2.2±20% | 100KHz | 6.0 | 9.0 |
| SDR1307-2R7M | 2.7±20% | 100KHz | 8.0 | 8.2 |
| SDR1307-3R3M | 3.3±20% | 100KHz | 8.7 | 7.5 |
| SDR1307-4R7M | 4.7±20% | 100KHz | 10.0 | 7.0 |
| SDR1307-5R6M | 5.6±20% | 100KHz | 15.0 | 6.5 |
| SDR1307-6R8M | 6.8±20% | 100KHz | 17.0 | 6.0 |
| SDR1307-8R2M | 8.2±20% | 100KHz | 19.0 | 5.8 |
| SDR1307-100M | 10±20% | 100KHz | 21.0 | 5.6 |
| SDR1307-120M | 12±20% | 100KHz | 30.0 | 4.8 |
| SDR1307-150M | 15±20% | 100KHz | 34.0 | 4.5 |
| SDR1307-180M | 18±20% | 100KHz | 36.0 | 4.2 |
| SDR1307-220M | 22±20% | 100KHz | 47.0 | 3.6 |
| SDR1307-270M | 27±20% | 100KHz | 60.0 | 3.3 |
| SDR1307-330K | 33±10% | 100KHz | 65.0 | 3.1 |
| SDR1307-390K | 39±10% | 100KHz | 75.0 | 2.9 |
| SDR1307-470K | 47±10% | 100KHz | 82.0 | 2.7 |
| SDR1307-560K | 56±10% | 100KHz | 100 | 2.5 |
| SDR1307-680K | 68±10% | 100KHz | 120 | 2.3 |
| SDR1307-820K | 82±10% | 100KHz | 140 | 2.1 |
| SDR1307-101K | 100±10% | 100KHz | 180 | 1.9 |
| SDR1307-121K | 120±10% | 100KHz | 210 | 1.8 |
| SDR1307-151K | 150±10% | 100KHz | 250 | 1.6 |
| SDR1307-181K | 180±10% | 100KHz | 280 | 1.5 |
| SDR1307-221K | 220±10% | 100KHz | 360 | 1.3 |
| SDR1307-271K | 270±10% | 100KHz | 410 | 1.2 |
| SDR1307-331K | 330±10% | 100KHz | 520 | 1.1 |
| SDR1307-391K | 390±10% | 100KHz | 600 | 1.0 |
| SDR1307-471K | 470±10% | 100KHz | 720 | 0.9 |
| SDR1307-561K | 560±10% | 100KHz | 880 | 0.85 |
| SDR1307-681K | 680±10% | 100KHz | 1000 | 0.8 |
| SDR1307-821K | 820±10% | 100KHz | 1300 | 0.75 |
| SDR1307-102K | 1000±10% | 100KHz | 1600 | 0.65 |

※ The rated current when the inductance decreases to 10% of initial value. (Ta=25℃)

SHINHOM

Packing:Dimensions for embossed tape and reel&catron packing with packed Qty/包装载带、胶盘和外箱包装数量



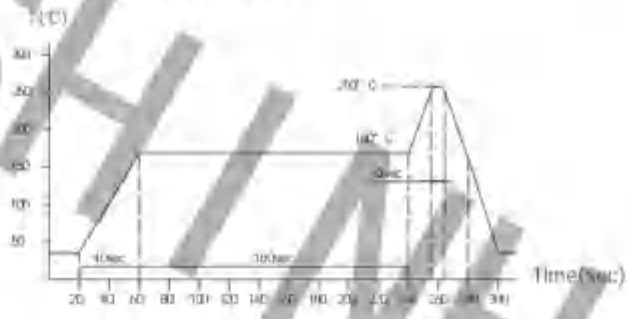

| Type | DIMENSIONS（mm）/尺寸 | | | | | | | QTY(PCS/REEL) 每盘产品数量 |
|---|---|---|---|---|---|---|---|---|
| | A | W | P | A0 | B0 | K0 | T | |
| SDR0301 | 330 | 12 | 8 | 3.2 | 3.65 | 1.80 | 0.30 | 3500 |
| SDR0302 | 330 | 12 | 8 | 3.3 | 3.80 | 2.30 | 0.30 | 3000 |
| SDR0402 | 330 | 12 | 8 | 4.15 | 4.60 | 2.30 | 0.35 | 3000 |
| SDR0403 | 330 | 12 | 8 | 4.20 | 4.70 | 3.80 | 0.40 | 2000 |
| SDR0503 | 330 | 12 | 8 | 5.50 | 6.00 | 4.10 | 0.40 | 2000 |
| SDR0504 | 330 | 12 | 8 | 5.50 | 6.00 | 4.70 | 0.40 | 1500 |
| SDR0703 | 330 | 16 | 12 | 7.30 | 8.00 | 4.30 | 0.35 | 1000 |
| SDR0705 | 330 | 16 | 12 | 7.30 | 8.00 | 5.70 | 0.40 | 1000 |
| SDR1008 | 330 | 24 | 12 | 9.40 | 10.40 | 4.30 | 0.35 | 1000 |
| SDR1005 | 330 | 24 | 12 | 9.40 | 10.40 | 6.20 | 0.40 | 1000 |
| SDR1008 | 330 | 24 | 12 | 9.40 | 10.40 | 8.80 | 0.45 | 400 |
| SDR1307 | 330 | 24 | 20 | 13.70 | 13.70 | 7.80 | 0.45 | 400 |

SHINHOM

| | |
|---|---|
| Operation Temperature<br>/使用温度范围 | -40~+105℃ (Includes temperature when the coil is heated)/-40~+105℃(包含线圈发热) |
| External Appearance/外观 | On visual inspection, the coil has no external defects./目视检查时,外观没有明显的缺陷. |
| Terminal Strength/端子强度 | After soldering between copper plate and electrode, sample is pushed in three directions of X,Y and Z with force of 5N for 10±5 seconds, the terminal should not peel off.<br>/将线圈的端子焊接在基板上,分别在 X,Y,Z 3 个方向施加 5N,时间 10±5 秒,无电极剥离和断线. |
| Insulating Resistance<br>/绝缘电阻 | Over 100MΩ at 100V DC between coil and core./线圈和磁芯间加上 100V 直流电压,绝缘电阻 100MΩ以上. |
| Dielectric Strength/耐电压 | No dielectric breakdown at 100V DC for 1 minute between coil and core.<br>/线圈和磁芯间加上 100V 直流电压 1 分钟的,则后,无绝缘破坏不良出现. |
| Temperature Characteristics<br>/温度特性 | Inductance coefficient(0~2000)× $10^{-6}$/℃ (-25~+85℃)/电感温度系数(0~2000)×$10^{-6}$/℃(-25~+85℃) |
| Humidity Characteristics<br>/耐湿度特性 | Inductance deviation within ±10% after 96 hours in 90~95% relative humidity at 40±2℃ and 1 hour drying under normal condition./温度在 40±2℃,相对湿度在 90~95%条件下存放 96 小时后取出,用干布擦干,然后在常温常湿中放置 1 小时,电感变化率±10%以内. |
| Thermal shock test<br>/冷热冲击特性 | Inductance deviation within ±10% after 20 cycles of +105℃ for 30 minutes, -40℃ for 30 minutes. Characteristics are measured after the ambient air exposure of 1 hour./-40℃放置 30 分钟后转换为+105℃放置 30 分钟,20 次循环,然后在常温常湿中放置 1 小时,电感变化率±10%以内. |
| High temperature storage test<br>/高温保存测试 | Inductance deviation within ±10% after 96 hours in 105℃±2℃ characteristics are measured after ambient air exposure of 1 hour./+105℃放置 96 小时,然后在常温常湿中放置 1 小时,电感变化率±10%以内. |
| Low temperature storage test<br>/低温保存测试 | Inductance deviation within ±10% after 96 hours in -40℃±2℃ characteristics are measured after ambient air exposure of 1 hour./-40℃放置 96 小时,然后在常温常湿中放置 1 小时,电感变化率±10%以内 |

General Characteristics

Recommended Reflow Conditions（Lead-free）
/推荐回流焊条件（无铅）




The reflow condition recommended above is according to the machine used by our company. Big differences will arise as a result of the type of machine, reflow conditions, method, etc. used. Hence, before setting up your reflow conditions, please confirm with the above./上面推荐的回流焊试验条件是根据本公司的回流焊设备测试结果得到. 不同的试验设备、试验条件和试验方法及试验结果不同. 因此回流焊试验条件的设定需要仔细地确认.

Reflow Soldering Heat Endurance
/回流焊耐热




No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours./在该条件下进行回流焊，常温常湿条件下放置 2 个小时后，无机械，电气特性缺陷发生。

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.
/在常温常湿条件下，间隔 1 个小时可进行两次回流焊。

The reflow test profile may vary with the testing instruments.
/回流焊曲线因会同设备的不同有所差异。

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR0703T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tapset, XDSL
- Network Systems
- Computer Peripheral Equipment

## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH | Test Freq KHz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|
| SDR0703T-1R0□ | 1.0 | 100 | 0.02 | 3.60 |
| SDR0703T-1R5□ | 1.5 | 100 | 0.03 | 3.40 |
| SDR0703T-2R2□ | 2.2 | 100 | 0.03 | 2.68 |
| SDR0703T-3R3□ | 3.3 | 100 | 0.04 | 2.40 |
| SDR0703T-4R7□ | 4.7 | 100 | 0.048 | 2.26 |
| SDR0703T-6R8□ | 6.8 | 100 | 0.062 | 1.66 |
| SDR0703T-100□ | 10 | 100 | 0.078 | 1.50 |
| SDR0703T-120□ | 12 | 100 | 0.088 | 1.40 |
| SDR0703T-150□ | 15 | 100 | 0.120 | 1.20 |
| SDR0703T-180□ | 18 | 100 | 0.145 | 1.15 |
| SDR0703T-220□ | 22 | 100 | 0.165 | 1.02 |
| SDR0703T-270□ | 27 | 100 | 0.185 | 0.88 |
| SDR0703T-330□ | 33 | 100 | 0.260 | 0.85 |
| SDR0703T-390□ | 39 | 100 | 0.286 | 0.82 |
| SDR0703T-470□ | 47 | 100 | 0.340 | 0.72 |
| SDR0703T-560□ | 56 | 100 | 0.420 | 0.65 |
| SDR0703T-680□ | 68 | 100 | 0.510 | 0.56 |
| SDR0703T-820□ | 82 | 100 | 0.650 | 0.52 |
| SDR0703T-101□ | 100 | 100 | 0.725 | 0.46 |
| SDR0703T-151□ | 150 | 100 | 0.920 | 0.40 |
| SDR0703T-221□ | 220 | 100 | 1.620 | 0.32 |
| SDR0703T-331□ | 330 | 100 | 2.200 | 0.26 |
| SDR0703T-471□ | 470 | 100 | 2.800 | 0.22 |
| SDR0703T-681□ | 680 | 100 | 4.350 | 0.19 |
| SDR0703T-102□ | 1000 | 100 | 6.200 | 0.15 |

□:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

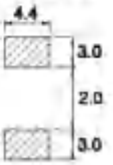
DIMENSIONS IN:mm




CONSTRUCTION



LAND PATTERNS




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR0704T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 1.5A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tposet, XDSL
- Network Systems
- Computer Peripheral Equipment

## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH | Test Freq KHz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|
| SDR0704T-100☐ | 10 | 100 | 0.120 | 1.50 |
| SDR0704T-120☐ | 12 | 100 | 0.130 | 1.44 |
| SDR0704T-150☐ | 15 | 100 | 0.150 | 1.36 |
| SDR0704T-180☐ | 18 | 100 | 0.160 | 1.30 |
| SDR0704T-220☐ | 22 | 100 | 0.190 | 1.23 |
| SDR0704T-270☐ | 27 | 100 | 0.210 | 1.11 |
| SDR0704T-330☐ | 33 | 100 | 0.240 | 1.00 |
| SDR0704T-390☐ | 39 | 100 | 0.270 | 0.93 |
| SDR0704T-470☐ | 47 | 100 | 0.390 | 0.85 |
| SDR0704T-560☐ | 56 | 100 | 0.450 | 0.75 |
| SDR0704T-680☐ | 68 | 100 | 0.500 | 0.70 |
| SDR0704T-820☐ | 82 | 100 | 0.560 | 0.65 |
| SDR0704T-101☐ | 100 | 100 | 1.000 | 0.52 |
| SDR0704T-121☐ | 120 | 100 | 1.050 | 0.50 |
| SDR0704T-151☐ | 150 | 100 | 1.200 | 0.45 |
| SDR0704T-181☐ | 180 | 100 | 1.350 | 0.40 |
| SDR0704T-221☐ | 220 | 100 | 1.520 | 0.38 |
| SDR0704T-271☐ | 270 | 100 | 1.720 | 0.35 |
| SDR0704T-331☐ | 330 | 100 | 2.700 | 0.30 |
| SDR0704T-391☐ | 390 | 100 | 2.960 | 0.28 |
| SDR0704T-471☐ | 470 | 100 | 3.360 | 0.26 |
| SDR0704T-561☐ | 560 | 100 | 3.790 | 0.24 |
| SDR0704T-681☐ | 680 | 100 | 4.330 | 0.21 |
| SDR0704T-821☐ | 820 | 100 | 5.260 | 0.19 |
| SDR0704T-102☐ | 1000 | 100 | 6.220 | 0.17 |

☐:1. K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

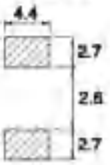
DIMENSIONS IN:mm




CONSTRUCTION



LAND PATTERNS




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A – SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR1030T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.0A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tposet, XDSL
- Network Systems
- Computer Peripheral Equipment

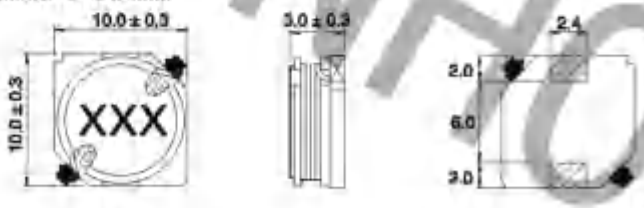
## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH (100KHz) | Q Typ | Test Freq Mhz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|---|
| SDR1030T-2R7□ | 2.7 | 13 | 7.96 | 0.028 | 3.00 |
| SDR1030T-4R7□ | 4.7 | 13 | 7.96 | 0.040 | 2.60 |
| SDR1030T-6R8□ | 6.8 | 15 | 7.96 | 0.052 | 2.20 |
| SDR1030T-100□ | 10.0 | 15 | 2.52 | 0.064 | 2.00 |
| SDR1030T-150□ | 15.0 | 18 | 2.52 | 0.100 | 1.65 |
| SDR1030T-220□ | 22.0 | 20 | 2.52 | 0.145 | 1.38 |
| SDR1030T-330□ | 33.0 | 16 | 2.52 | 0.220 | 1.10 |
| SDR1030T-470□ | 47.0 | 10 | 2.52 | 0.270 | 0.96 |
| SDR1030T-680□ | 68.0 | 12 | 2.52 | 0.360 | 0.82 |
| SDR1030T-101□ | 100.0 | 14 | 0.796 | 0.540 | 0.70 |
| SDR1030T-151□ | 150.0 | 23 | 0.796 | 0.700 | 0.60 |
| SDR1030T-221□ | 220.0 | 23 | 0.796 | 1.150 | 0.46 |
| SDR1030T-331□ | 330.0 | 25 | 0.796 | 1.700 | 0.38 |
| SDR1030T-471□ | 470.0 | 20 | 0.796 | 2.250 | 0.28 |
| SDR1030T-681□ | 680.0 | 18 | 0.796 | 3.300 | 0.23 |
| SDR1030T-102□ | 1000.0 | 42 | 0.796 | 4.700 | 0.20 |

□:1. K= ± 10%, M= ± 20%, N= ± 30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

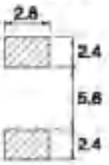
DIMENSIONS IN:mm




CONSTRUCTION



LAND PATTERNS




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A – SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

SHINHOM

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR1045T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 4.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tapset, XDSL
- Network Systems
- Computer Peripheral Equipment

## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH (100KHz) | Q Typ | Test Freq Mhz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|---|
| SDR1045T-2R7□ | 2.7 | 25 | 7.96 | 0.026 | 4.80 |
| SDR1045T-4R5□ | 4.5 | 25 | 7.96 | 0.033 | 4.20 |
| SDR1045T-6R8□ | 6.8 | 22 | 7.96 | 0.040 | 3.50 |
| SDR1045T-100□ | 10.0 | 26 | 2.52 | 0.064 | 3.20 |
| SDR1045T-150□ | 15.0 | 26 | 2.52 | 0.100 | 2.50 |
| SDR1045T-220□ | 22.0 | 22 | 2.52 | 0.145 | 2.20 |
| SDR1045T-330□ | 33.0 | 20 | 2.52 | 0.220 | 1.90 |
| SDR1045T-470□ | 47.0 | 21 | 2.52 | 0.270 | 1.60 |
| SDR1045T-680□ | 68.0 | 21 | 2.52 | 0.360 | 1.30 |
| SDR1045T-101□ | 100.0 | 14 | 0.796 | 0.540 | 1.10 |
| SDR1045T-151□ | 150.0 | 16 | 0.796 | 0.700 | 0.85 |
| SDR1045T-221□ | 220.0 | 15 | 0.796 | 1.150 | 0.72 |
| SDR1045T-331□ | 330.0 | 12 | 0.796 | 1.700 | 0.62 |
| SDR1045T-471□ | 470.0 | 12 | 0.796 | 2.250 | 0.52 |
| SDR1045T-681□ | 680.0 | 13 | 0.796 | 3.300 | 0.43 |
| SDR1045T-102□ | 1000.0 | 25 | 0.252 | 4.700 | 0.38 |

□:J.K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

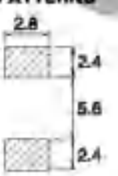
**DIMENSIONS IN:mm**




**CONSTRUCTION**



**LAND PATTERNS**




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax: current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

SHINHOM

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR1305T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 7.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tapeet, XDSL
- Network Systems
- Computer Peripheral Equipment

## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH (100KHz) | Q Typ | Test Freq Mhz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|---|
| SDR1305T-2R5□ | 2.5 | 19 | 7.96 | 0.0096 | 7.20 |
| SDR1305T-3R5□ | 3.5 | 20 | 7.96 | 0.0105 | 6.00 |
| SDR1305T-4R6□ | 4.7 | 18 | 7.96 | 0.0165 | 5.20 |
| SDR1305T-6R8□ | 6.8 | 17 | 7.96 | 0.0240 | 4.30 |
| SDR1305T-100□ | 10.0 | 35 | 2.52 | 0.0370 | 3.60 |
| SDR1305T-150□ | 15.0 | 28 | 2.52 | 0.0460 | 3.30 |
| SDR1305T-220□ | 22.0 | 27 | 2.52 | 0.0620 | 2.90 |
| SDR1305T-330□ | 33.0 | 23 | 2.52 | 0.0850 | 2.50 |
| SDR1305T-470□ | 47.0 | 24 | 2.52 | 0.1300 | 1.90 |
| SDR1305T-680□ | 68.0 | 22 | 2.52 | 0.1650 | 1.65 |
| SDR1305T-101□ | 100.0 | 20 | 0.796 | 0.2550 | 1.40 |
| SDR1305T-151□ | 150.0 | 17 | 0.796 | 0.3800 | 1.20 |
| SDR1305T-221□ | 220.0 | 16 | 0.796 | 0.5000 | 1.00 |
| SDR1305T-331□ | 330.0 | 11 | 0.796 | 0.7000 | 0.85 |
| SDR1305T-471□ | 470.0 | 14 | 0.796 | 1.1500 | 0.67 |
| SDR1305T-681□ | 680.0 | 12 | 0.796 | 1.4000 | 0.60 |
| SDR1305T-102□ | 1000.0 | 41 | 0.252 | 2.3500 | 0.46 |

□:1, K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

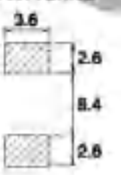
DIMENSIONS IN:mm




CONSTRUCTION



LAND PATTERNS




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax: current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

SHINHOM

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR1308T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 4.05A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tapeet, XDSL
- Network Systems
- Computer Peripheral Equipment

## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH (100KHz) | Q Typ | Test Freq Mhz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|---|
| SDR1308T-100□ | 10 | 20 | 2.52 | 0.036 | 4.05 |
| SDR1308T-150□ | 15 | 20 | 2.52 | 0.040 | 3.34 |
| SDR1308T-220□ | 22 | 20 | 2.52 | 0.060 | 2.80 |
| SDR1308T-330□ | 33 | 20 | 2.52 | 0.080 | 2.40 |
| SDR1308T-470□ | 47 | 20 | 2.52 | 0.110 | 2.00 |
| SDR1308T-560□ | 56 | 20 | 2.52 | 0.120 | 1.90 |
| SDR1308T-680□ | 68 | 20 | 2.52 | 0.150 | 1.80 |
| SDR1308T-820□ | 82 | 20 | 2.52 | 0.190 | 1.60 |
| SDR1308T-101□ | 100 | 15 | 0.796 | 0.230 | 1.50 |
| SDR1308T-121□ | 120 | 15 | 0.796 | 0.320 | 1.40 |
| SDR1308T-151□ | 150 | 15 | 0.796 | 0.370 | 1.30 |
| SDR1308T-221□ | 220 | 15 | 0.796 | 0.440 | 1.00 |
| SDR1308T-331□ | 330 | 15 | 0.796 | 0.600 | 0.90 |
| SDR1308T-471□ | 470 | 15 | 0.796 | 0.880 | 0.70 |
| SDR1308T-681□ | 680 | 10 | 0.796 | 1.180 | 0.50 |
| SDR1308T-102□ | 1000 | 10 | 0.252 | 1.740 | 0.48 |
| SDR1308T-122□ | 1200 | 10 | 0.252 | 1.920 | 0.38 |

□:1, K=±10%,M=±20%,N=±30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

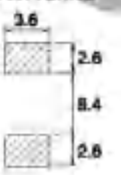
**DIMENSIONS IN:mm**




**CONSTRUCTION**



**LAND PATTERNS**




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax: current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

SHINHOM

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR7030T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.0A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tapset, XDSL
- Network Systems
- Computer Peripheral Equipment

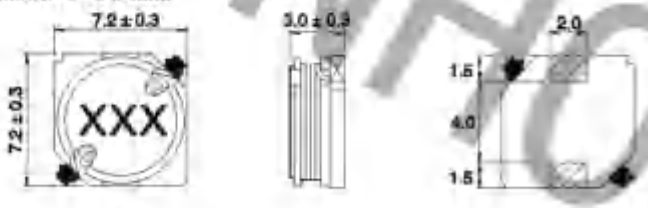
## ELECTRICAL CHARACTERISTICS:

| Part Number | L u H (100KHz) | Q Typ | Test Freq Mhz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|---|
| SDR7030T-1R0□ | 1.0 | 18 | 7.96 | 0.022 | 3.00 |
| SDR7030T-1R5□ | 1.5 | 17 | 7.96 | 0.027 | 2.75 |
| SDR7030T-2R2□ | 2.2 | 17 | 7.96 | 0.030 | 2.60 |
| SDR7030T-3R5□ | 3.5 | 17 | 7.96 | 0.038 | 2.30 |
| SDR7030T-4R7□ | 4.7 | 14 | 7.96 | 0.048 | 1.85 |
| SDR7030T-6R2□ | 6.2 | 17 | 7.96 | 0.058 | 1.65 |
| SDR7030T-100□ | 10.0 | 16 | 2.52 | 0.075 | 1.50 |
| SDR7030T-150□ | 15.0 | 14 | 2.52 | 0.115 | 1.20 |
| SDR7030T-220□ | 22.0 | 14 | 2.52 | 0.160 | 1.02 |
| SDR7030T-330□ | 33.0 | 13 | 2.52 | 0.230 | 0.85 |
| SDR7030T-470□ | 47.0 | 12 | 2.52 | 0.340 | 0.70 |
| SDR7030T-680□ | 68.0 | 12 | 2.52 | 0.480 | 0.58 |
| SDR7030T-101□ | 100.0 | 18 | 0.796 | 0.720 | 0.46 |
| SDR7030T-151□ | 150.0 | 18 | 0.796 | 0.920 | 0.40 |
| SDR7030T-221□ | 220.0 | 23 | 0.796 | 1.600 | 0.32 |
| SDR7030T-331□ | 330.0 | 24 | 0.796 | 2.200 | 0.26 |
| SDR7030T-471□ | 470.0 | 30 | 0.796 | 2.800 | 0.22 |
| SDR7030T-681□ | 680.0 | 28 | 0.796 | 4.350 | 0.18 |
| SDR7030T-102□ | 1000.0 | 66 | 0.796 | 6.200 | 0.15 |

□:1. K= ± 10%, M= ± 20%, N= ± 30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

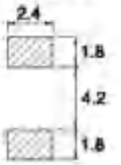
DIMENSIONS IN:mm




CONSTRUCTION



LAND PATTERNS




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

SPECIFICATION

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

# SDR7045T SERIES



## FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

## COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Tapset, XDSL
- Network Systems
- Computer Peripheral Equipment

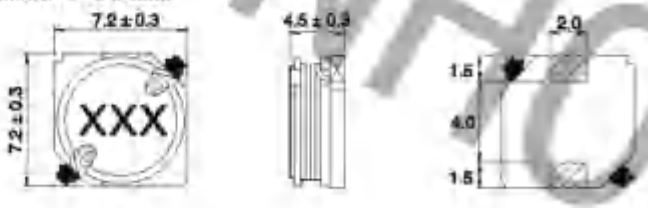
## ELECTRICAL CHARACTERISTICS:

| Part Number | L μH (100KHz) | Q Typ | Test Freq Mhz | DCR Ω Max | IDC Max A |
|---|---|---|---|---|---|
| SDR7045T-1R0□ | 1.0 | 25 | 7.96 | 0.022 | 3.80 |
| SDR7045T-1R5□ | 1.5 | 26 | 7.96 | 0.027 | 3.50 |
| SDR7045T-2R2□ | 2.2 | 24 | 7.96 | 0.032 | 3.30 |
| SDR7045T-3R3□ | 3.3 | 23 | 7.96 | 0.036 | 2.80 |
| SDR7045T-4R7□ | 4.7 | 23 | 7.96 | 0.042 | 2.60 |
| SDR7045T-6R8□ | 6.8 | 22 | 7.96 | 0.054 | 2.25 |
| SDR7045T-100□ | 10.0 | 28 | 2.52 | 0.070 | 2.00 |
| SDR7045T-150□ | 15.0 | 24 | 2.52 | 0.086 | 1.60 |
| SDR7045T-220□ | 22.0 | 26 | 2.52 | 0.125 | 1.40 |
| SDR7045T-330□ | 33.0 | 20 | 2.52 | 0.150 | 1.22 |
| SDR7045T-470□ | 47.0 | 21 | 2.52 | 0.230 | 1.00 |
| SDR7045T-680□ | 68.0 | 17 | 2.52 | 0.280 | 0.90 |
| SDR7045T-101□ | 100.0 | 17 | 0.796 | 0.430 | 0.75 |
| SDR7045T-151□ | 150.0 | 17 | 0.796 | 0.580 | 0.62 |
| SDR7045T-221□ | 220.0 | 22 | 0.796 | 0.930 | 0.50 |
| SDR7045T-331□ | 330.0 | 20 | 0.796 | 1.240 | 0.42 |
| SDR7045T-471□ | 470.0 | 20 | 0.796 | 1.850 | 0.34 |
| SDR7045T-681□ | 680.0 | 16 | 0.796 | 2.400 | 0.30 |
| SDR7045T-102□ | 1000.0 | 48 | 0.252 | 4.000 | 0.22 |

□:1. K= ± 10%, M= ± 20%, N= ± 30%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

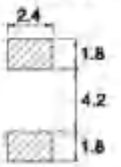
DIMENSIONS IN:mm




CONSTRUCTION



LAND PATTERNS




- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

SPECIMEN

# SURFACE-MOUNT POWER INDUCTORS

# SPI0402T SERIES



## FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

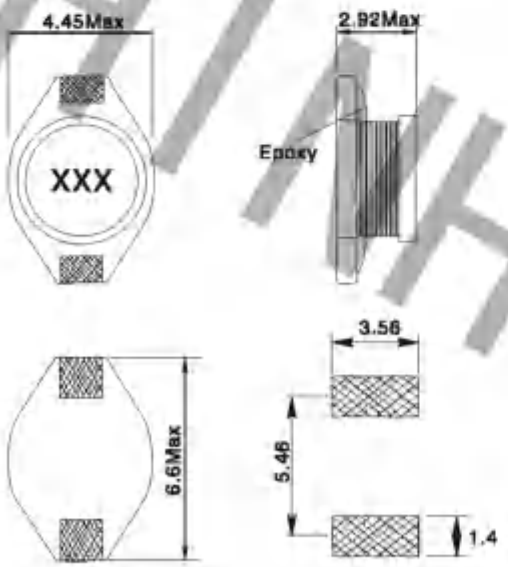
## APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

## STANDARD SPECIFICATION:

| Part Number SPI0402T- | Inductance( u H) ±20% | DCR ( Ω ) Max | Rated current ( A ) Max |
|---|---|---|---|
| 1R0M | 1.0 | 0.05 | 2.90 |
| 1R5M | 1.5 | 0.05 | 2.60 |
| 2R2M | 2.2 | 0.06 | 2.30 |
| 3R3M | 3.3 | 0.07 | 2.00 |
| 4R7M | 4.7 | 0.08 | 1.50 |
| 6R8M | 6.8 | 0.11 | 1.20 |
| 100M | 10 | 0.14 | 1.10 |
| 150M | 15 | 0.20 | 0.90 |
| 220M | 22 | 0.32 | 0.70 |
| 330M | 33 | 0.44 | 0.58 |
| 470M | 47 | 0.56 | 0.50 |
| 680M | 68 | 0.75 | 0.40 |
| 101M | 100 | 1.10 | 0.31 |
| 151M | 150 | 1.70 | 0.27 |
| 221M | 220 | 2.30 | 0.22 |
| 331M | 330 | 3.30 | 0.18 |
| 471M | 470 | 4.40 | 0.16 |
| 681M | 680 | 6.80 | 0.14 |
| 102M | 1000 | 12.00 | 0.10 |

## PHYSICAL CHARACTERISTICS




## TECHNICAL INFORMATION:

Winding



- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature: -40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.



SHINHOM

# SURFACE-MOUNT HIGH CURRENT INDUCTORS

# SPI0605HC SERIES




## FEATURES:

- Current up to 6A
- Flat-top for Pick & Place
- Very low DC Resistance
- Low profile

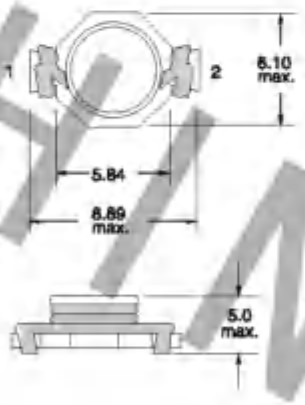
## APPLICATIONS:

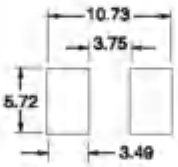
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

## STANDARD SPECIFICATION:

| Part Number SPI0605HC– | L (μH) ± 20% | IRMS (A)max | I SAT (A)max | DCR (Ω) max. |
|---|---|---|---|---|
| R47M | 0.47 | 6.0 | 7.7 | 0.0097 |
| 1R0M | 1.0 | 4.4 | 5.3 | 0.0177 |
| 1R5M | 1.5 | 4.2 | 4.5 | 0.0200 |
| 2R2M | 2.2 | 3.1 | 3.5 | 0.0363 |
| 3R3M | 3.3 | 2.9 | 3.0 | 0.0428 |
| 4R7M | 4.7 | 2.2 | 2.6 | 0.0544 |
| 6R8M | 6.8 | 1.7 | 2.2 | 0.0897 |
| 100M | 10.0 | 1.5 | 1.9 | 0.1107 |
| 150M | 15.0 | 1.2 | 1.5 | 0.1747 |
| 220M | 22.0 | 1.0 | 1.2 | 0.2541 |
| 330M | 33.0 | 0.82 | 0.99 | 0.3670 |
| 470M | 47.0 | 0.72 | 0.87 | 0.4740 |
| 680M | 68.0 | 0.58 | 0.67 | 0.7320 |
| 101M | 100.0 | 0.47 | 0.53 | 1.1080 |

## PHYSICAL CHARACTERISTICS Dimensions(mm):




PCB PAD LAYOUT




Notes: (1)Open Circuit Inductance Test Parameters: 100KHz, 250Vrms,0.0Adc.
(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.
(3)Peak current for approximately 30% rolloff.
(4)DCR limits 20℃.
(5)Operating Temprature:–40℃ to + 85℃
(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
All specifications subject to change without notice.

SHINHOM

# SURFACE-MOUNT POWER INDUCTORS

# SPI0802T SERIES




## FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

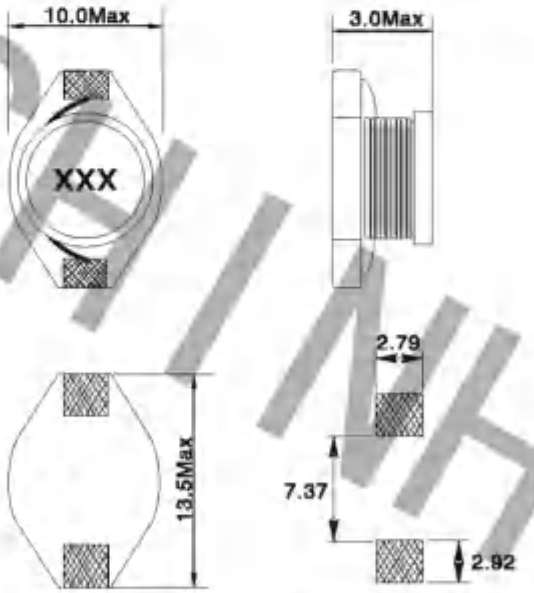
## APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

## STANDARD SPECIFICATION:

| Part Number SPI0802T- | Inductance( u H) ±20% | DCR ( Ω ) Max | Rated current ( A ) Max |
|---|---|---|---|
| 100M | 10 | 0.09 | 2.40 |
| 150M | 15 | 0.12 | 2.00 |
| 220M | 22 | 0.19 | 1.60 |
| 330M | 33 | 0.25 | 1.40 |
| 470M | 47 | 0.32 | 1.00 |
| 680M | 68 | 0.55 | 0.90 |
| 101M | 100 | 0.70 | 0.70 |
| 151M | 150 | 1.00 | 0.60 |
| 221M | 220 | 1.60 | 0.50 |
| 331M | 330 | 2.20 | 0.40 |
| 471M | 470 | 3.30 | 0.30 |
| 681M | 680 | 4.40 | 0.20 |
| 102M | 1000 | 7.00 | 0.10 |

## PHYSICAL CHARACTERISTICS




## TECHNICAL INFORMATION:

Winding



- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

SHINHOM

Note: All specifications subject to change without notice.

# SURFACE-MOUNT POWER INDUCTORS

# SPI0804T SERIES




## FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

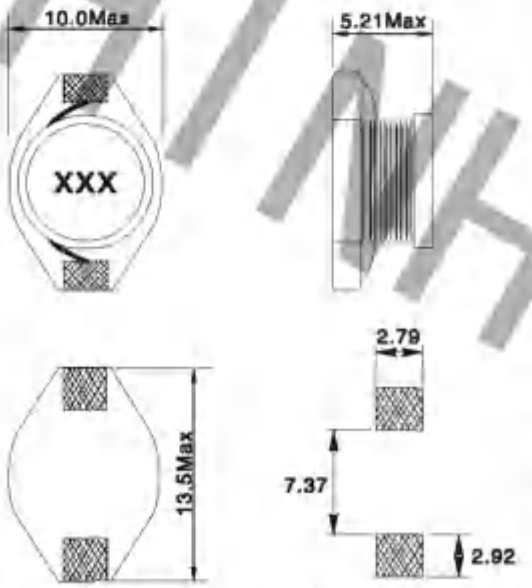
## APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

## STANDARD SPECIFICATION:

| Part Number SPI0804T- | Inductance( μ H) ±20% | DCR ( Ω ) Max | Rated current ( A ) Max |
|---|---|---|---|
| 1R0M | 1.0 | 0.009 | 9.0 |
| 1R5M | 1.5 | 0.010 | 8.0 |
| 2R2M | 2.2 | 0.012 | 7.0 |
| 3R3M | 3.3 | 0.015 | 6.4 |
| 4R7M | 4.7 | 0.018 | 5.4 |
| 5R6M | 5.6 | 0.025 | 5.0 |
| 6R8M | 6.8 | 0.027 | 4.6 |
| 100M | 10 | 0.038 | 3.8 |
| 150M | 15 | 0.046 | 3.0 |
| 220M | 22 | 0.065 | 2.6 |
| 330M | 33 | 0.10 | 2.0 |
| 470M | 47 | 0.14 | 1.6 |
| 680M | 68 | 0.20 | 1.4 |
| 101M | 100 | 0.28 | 1.2 |
| 151M | 150 | 0.40 | 1.0 |
| 221M | 220 | 0.61 | 0.8 |
| 331M | 330 | 1.02 | 0.6 |
| 471M | 470 | 1.27 | 0.5 |
| 681M | 680 | 2.02 | 0.4 |
| 102M | 1000 | 3.00 | 0.3 |

## PHYSICAL CHARACTERISTICS




## TECHNICAL INFORMATION:

Winding



- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature: -40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.

# SURFACE-MOUNT POWER INDUCTORS

# SPI0810T SERIES




## FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

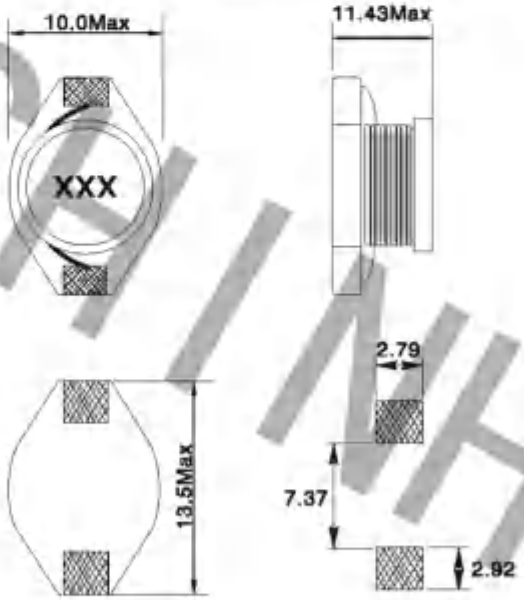
## APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

## STANDARD SPECIFICATION:

| Part Number SPI0810T- | Inductance( u H) ±20% | DCR ( Ω ) Max | Rated current ( A ) Max |
|---|---|---|---|
| 100M | 10 | 0.033 | 8.00 |
| 150M | 15 | 0.042 | 7.00 |
| 220M | 22 | 0.054 | 5.50 |
| 330M | 33 | 0.08 | 4.00 |
| 470M | 47 | 0.10 | 3.80 |
| 680M | 68 | 0.17 | 3.00 |
| 101M | 100 | 0.22 | 2.50 |
| 151M | 150 | 0.34 | 2.00 |
| 221M | 220 | 0.44 | 1.60 |
| 331M | 330 | 0.70 | 1.20 |
| 471M | 470 | 0.95 | 1.00 |
| 681M | 680 | 1.20 | 1.00 |
| 102M | 1000 | 2.00 | 0.80 |

## PHYSICAL CHARACTERISTICS




## TECHNICAL INFORMATION:

Winding



- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

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Note: All specifications subject to change without notice.

# SURFACE–MOUNT HIGH CURRENT INDUCTORS

# SPI1006HC SERIES




## FEATURES:

- Current up to 10.6A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

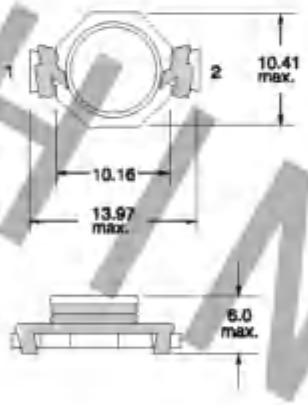
## APPLICATIONS:

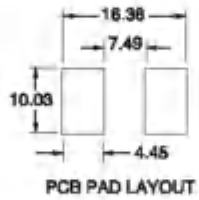
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

## STANDARD SPECIFICATION:

| Part Number SPI1006HC– | L (μH) ± 20% | IRMS (A)max | I SAT (A)max | DCR (Ω) max. |
|---|---|---|---|---|
| R47M | 0.47 | 10.6 | 11.4 | 0.0049 |
| 1R0M | 1.0 | 9.3 | 9.9 | 0.0065 |
| 1R5M | 1.5 | 8.3 | 7.9 | 0.0081 |
| 2R2M | 2.2 | 7.2 | 6.1 | 0.0107 |
| 3R3M | 3.3 | 6.5 | 5.1 | 0.0128 |
| 4R7M | 4.7 | 5.5 | 4.2 | 0.0165 |
| 6R8M | 6.8 | 5.0 | 3.6 | 0.0202 |
| 100M | 10.0 | 4.3 | 3.3 | 0.0267 |
| 150M | 15.0 | 3.5 | 2.4 | 0.0410 |
| 220M | 22.0 | 2.8 | 2.0 | 0.0617 |
| 330M | 33.0 | 2.1 | 1.7 | 0.0917 |
| 470M | 47.0 | 1.7 | 1.4 | 0.1388 |
| 680M | 68.0 | 1.5 | 1.2 | 0.1787 |
| 101M | 100.0 | 1.2 | 0.95 | 0.2707 |

## PHYSICAL CHARACTERISTICS Dimensions(mm):




PCB PAD LAYOUT




Notes: (1)Open Circuit Inductance Test Parameters: 100KHz, 250Vrms,0.0Adc.
(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.
(3)Peak current for approximately 30% rolloff.
(4)DCR limits 20℃.
(5)Operating Temprature:–40℃ to + 85℃
(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
All specifications subject to change without notice.

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# SURFACE–MOUNT HIGH CURRENT INDUCTORS

# SPI1306HC SERIES



## FEATURES:

- Current up to 16A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

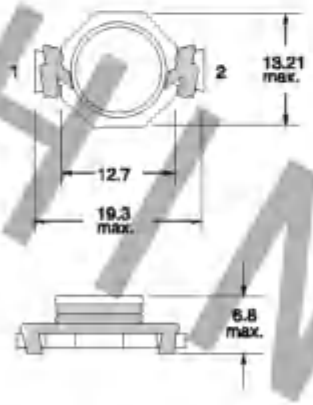
## APPLICATIONS:

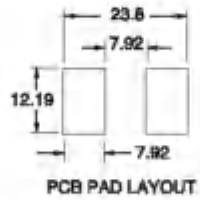
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

## STANDARD SPECIFICATION:

| Part Number SPI1306HC– | L (μH) ± 20% | IRMS (A)max | I SAT (A)max | DCR (Ω) max. |
|---|---|---|---|---|
| R47M | 0.47 | 16.0 | 25.1 | 0.0021 |
| 1R0M | 1.0 | 12.5 | 15.2 | 0.0034 |
| 1R5M | 1.5 | 10.0 | 12.0 | 0.0053 |
| 2R2M | 2.2 | 9.2 | 10.2 | 0.0074 |
| 3R3M | 3.3 | 8.0 | 9.3 | 0.0083 |
| 4R7M | 4.7 | 6.5 | 7.7 | 0.0114 |
| 6R8M | 6.8 | 5.8 | 6.2 | 0.0183 |
| 100M | 10.0 | 4.3 | 5.2 | 0.0261 |
| 150M | 15.0 | 3.9 | 4.3 | 0.0317 |
| 220M | 22.0 | 3.1 | 3.7 | 0.0491 |
| 330M | 33.0 | 2.4 | 3.0 | 0.0688 |
| 470M | 47.0 | 1.9 | 2.4 | 0.1082 |
| 680M | 68.0 | 1.6 | 2.0 | 0.1558 |
| 101M | 100.0 | 1.4 | 1.8 | 0.2053 |

## PHYSICAL CHARACTERISTICS Dimensions(mm):




PCB PAD LAYOUT




Notes: (1)Open Circuit Inductance Test Parameters: 100KHz, 250Vrms,0.0Adc.
(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.
(3)Peak current for approximately 30% rolloff.
(4)DCR limits 20℃.
(5)Operating Temprature:–40℃ to + 85℃
(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
All specifications subject to change without notice.

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# SURFACE-MOUNT POWER INDUCTORS

# SPI1306T SERIES




## FEATURES:

- Very Small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

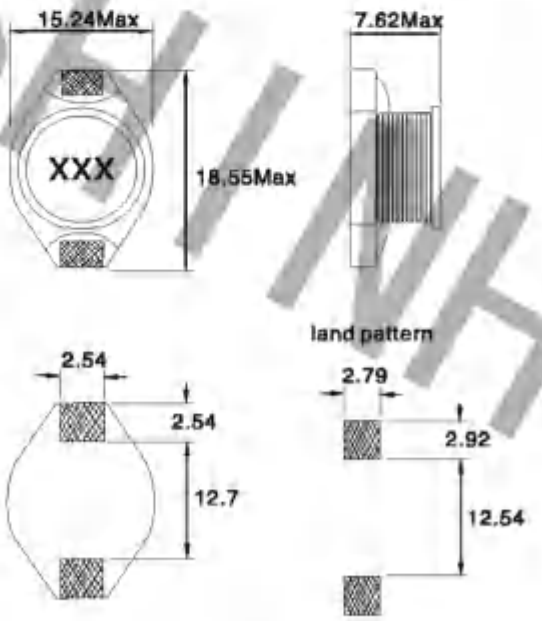
## APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up,step-down Converters

## STANDARD SPECIFICATION:

| Part Number SPI1306T- | Inductance( μ H) ±20% | DCR ( Ω ) Max | Rated current ( A ) Max |
|---|---|---|---|
| 1R0M | 1.0 | 0.011 | 20.00 |
| 2R2M | 2.2 | 0.014 | 16.00 |
| 3R3M | 3.3 | 0.016 | 14.00 |
| 5R6M | 5.6 | 0.022 | 12.00 |
| 100M | 10 | 0.032 | 10.00 |
| 150M | 15 | 0.036 | 8.00 |
| 220M | 22 | 0.047 | 7.00 |
| 330M | 33 | 0.066 | 5.50 |
| 470M | 47 | 0.087 | 4.50 |
| 680M | 68 | 0.13 | 3.50 |
| 101M | 100 | 0.19 | 3.00 |
| 151M | 150 | 0.25 | 2.60 |
| 221M | 220 | 0.38 | 2.40 |
| 331M | 330 | 0.56 | 1.90 |
| 471M | 470 | 0.85 | 1.40 |
| 681M | 680 | 1.2 | 1.20 |
| 102M | 1000 | 1.8 | 1.00 |

## PHYSICAL CHARACTERISTICS




## TECHNICAL INFORMATION:

Winding



- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature: -40℃ to+85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities

Note: All specifications subject to change without notice.



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# SURFACE-MOUNT HIGH CURRENT INDUCTORS

# SPI1608HC SERIES



## FEATURES:

- Current up to 19.2A
- Flat-top for Pick & Place
- Very low DC Resistance
- Low profile

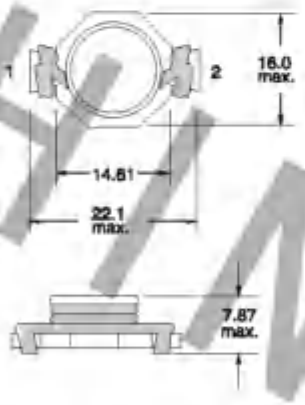
## APPLICATIONS:

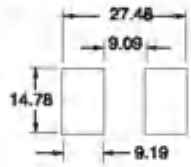
- Ideal for High Current, Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

## STANDARD SPECIFICATION:

| Part Number SPI1608HC– | L (μH) ± 20% | IRMS (A)max | I SAT (A)max | DCR (Ω) max. |
|---|---|---|---|---|
| R47M | 0.47 | 19.2 | 51.7 | 0.0019 |
| 1R0M | 1.0 | 17.3 | 37.3 | 0.0023 |
| 1R5M | 1.5 | 13.4 | 28.9 | 0.0039 |
| 2R2M | 2.2 | 12.0 | 23.7 | 0.0048 |
| 3R3M | 3.3 | 11.0 | 20.2 | 0.0057 |
| 4R7M | 4.7 | 8.6 | 15.6 | 0.0093 |
| 6R8M | 6.8 | 8.3 | 14.1 | 0.0100 |
| 100M | 10.0 | 6.8 | 11.5 | 0.0150 |
| 150M | 15.0 | 5.5 | 9.1 | 0.0230 |
| 220M | 22.0 | 4.5 | 7.6 | 0.0340 |
| 330M | 33.0 | 3.7 | 6.1 | 0.0520 |
| 470M | 47.0 | 3.1 | 5.2 | 0.0740 |
| 680M | 68.0 | 2.4 | 4.3 | 0.1200 |
| 101M | 100.0 | 2.0 | 3.6 | 0.1700 |

## PHYSICAL CHARACTERISTICS Dimensions(mm):




PCB PAD LAYOUT

Winding



Notes: (1)Open Circuit Inductance Test Parameters: 100KHz, 250Vrms,0.0Adc.
(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.
(3)Peak current for approximately 30% rolloff.
(4)DCR limits 20℃.
(5)Operating Temprature:–40℃ to + 85℃
(6)Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
All specifications subject to change without notice.

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