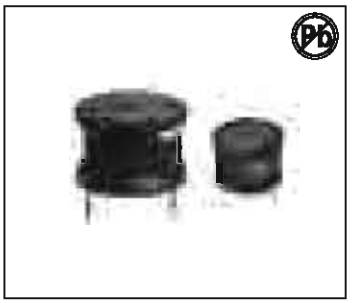
THROUGH-HOLE RADIAL HIGH CURRENT POWER CHOKES

AIRD 01 SERIES



FEATURES:

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

COMMON APPLICATIONS:

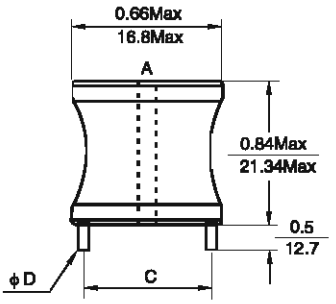
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

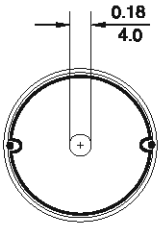
STANDARD SPECIFICATIONS

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	0.006	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	0.018	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	0.046	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	58	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	0.083	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	0.028/0.73
AIRD01-151K	150	0.181	1.6	0.50/12.70	0.028/0.73
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	1.6	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

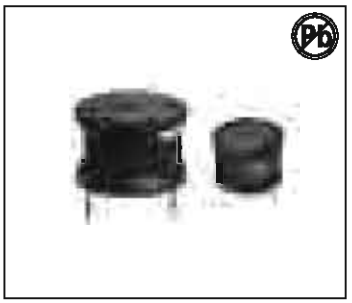
TECHNICAL INFORMATION:

- 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: △L/L≤±10% △Q/Q≤±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:

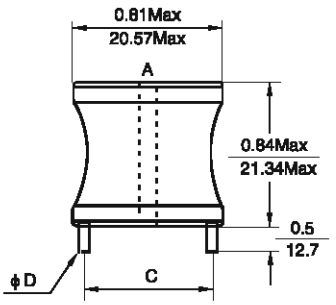
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

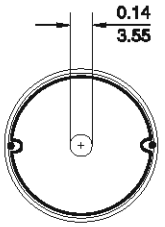
STANDARD SPECIFICATIONS

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	0.009	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	0.018	7.2	0.63/16.00	0.051/1.30
AIRD02-220K	22	0.019	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	0.098	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	2.8	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	1.8	0.60/15.24	0.029/0.73
AIRD02-391K	390	0.320	1.6	0.60/15.24	0.025/0.64
AIRD02-471K	470	0.355	1.6	0.60/15.24	0.025/0.64
AIRD02-561K	560	0.366	1.8	0.60/15.24	0.025/0.64
AIRD02-681K	680	0.430	1.6	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	1.26	0.8	0.60/15.24	0.020/0.51
AIRD02-182K	1800	1.39	0.8	0.60/15.24	0.018/0.45
AIRD02-222K	2200	1.54	0.8	0.60/15.24	0.018/0.45

Note:1.K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

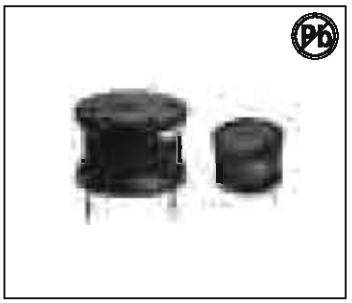
TECHNICAL INFORMATION:

- 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: △L/L≤±10% △Q/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:

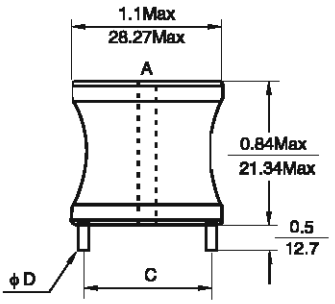
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

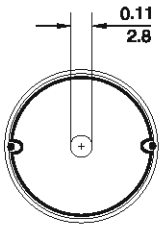
STANDARD SPECIFICATIONS

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	0.003	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	0.82/20.82	0.081/2.05
AIRD03-8R9M	6.6	0.004	21	0.82/20.82	0.081/2.05
AIRD03-8R2M	8.2	0.004	21	0.82/20.82	0.081/2.05
AIRD03-100K	10	0.006	17	0.82/20.82	0.081/2.05
AIRD03-120K	12	0.008	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	0.026	9.0	0.79/20.06	0.057/1.44
AIRD03-680K	88	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
AIRD03-561K	560	0.205	4.0	0.77/19.56	0.032/0.81
AIRD03-681K	860	0.256	2.8	0.77/19.56	0.032/0.81
AIRD03-821K	820	0.288	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	0.518	2.0	0.75/19.05	0.025/0.64
AIRD03-182K	1800	0.705	16	0.75/19.05	0.025/0.84
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	0.023/0.58
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





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
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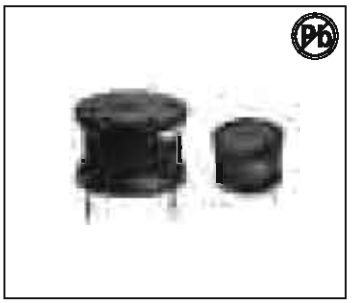
- Soldering Methods: Wave,Reflow
- Operating Temperature: -25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤±10% △Q/Q≤±25%

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

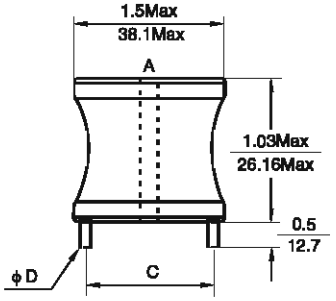
COMMON APPLICATIONS:

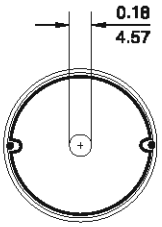
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

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	0.006	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	0.018	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	0.064/1.82
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	0.064/1.82
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	0.216	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	0.324	4.5	1.14/28.95	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	0.032/0.81
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	1.60	2.0	1.09/27.68	0.025/0.64
AIRD04-682K	6800	1.76	1.8	1.12/28.44	0.025/0.84
AIRD04-822K	8200	1.95	1.6	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	3.39	1.3	1.10/27.94	0.020/0.51

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

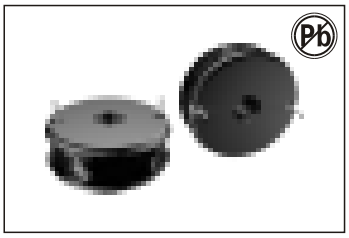
ELECTRONICAL SCHEMATIC

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: $\Delta L/L \leqslant \pm 10\%$ $\Delta Q/Q \leqslant \pm 25\%$

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

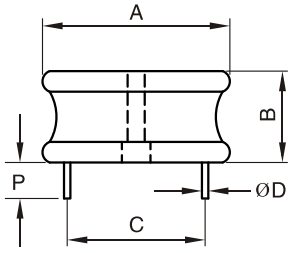
OPTIONS:

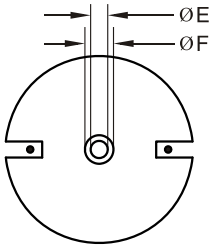
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

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

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
1.60/40.64	0.68/17.27	0.50/12.70	0.25/6.35	0.29/7.366

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 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.

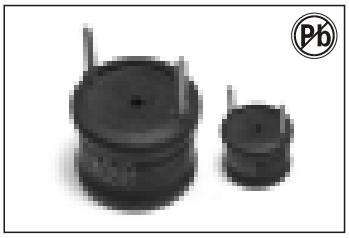
- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{oc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/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.
AIRD04A–2R2M	2.2	0.0028	28.2	1.10/27.94	0.094/2.3876
AIRD04A–3R9M	3.9	0.0037	27.2	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–120K	12.0	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	1.18/29.97	0.084/2.1336
AIRD04A–270K	27.0	0.0121	18.9	1.18/29.97	0.084/2.1336
AIRD04A–330K	33.0	0.0163	14.0	1.17/29.72	0.068/1.7272
AIRD04A–390K	39.0	0.0173	13.6	1.17/29.72	0.068/1.7272
AIRD04A–470K	47.0	0.0196	12.8	1.17/29.72	0.068/1.7272
AIRD04A–560K	56.0	0.0208	12.4	1.18/29.97	0.068/1.7272
AIRD04A–680K	68.0	0.0292	10.7	1.17/29.72	0.060/1.5240
AIRD04A–820K	82.0	0.0319	10.2	1.18/29.97	0.060/1.5240
AIRD04A–101K	100.0	0.0348	9.8	1.18/29.97	0.060/1.5240
AIRD04A–121K	120.0	0.0480	8.3	1.18/29.97	0.048/1.2192
AIRD04A–151K	150	0.0530	7.90	1.18/29.97	0.048/1.219
AIRD04A–181K	180	0.0743	6.40	1.18/29.97	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	0.1380	4.60	1.12/28.48	0.039/0.991
AIRD04A–471K	470	0.1840	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	1.12/28.48	0.033/0.838
AIRD04A–102K	1000	0.3480	2.90	1.14/28.96	0.031/0.787
AIRD04A–122K	1200	0.4940	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	1.46	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

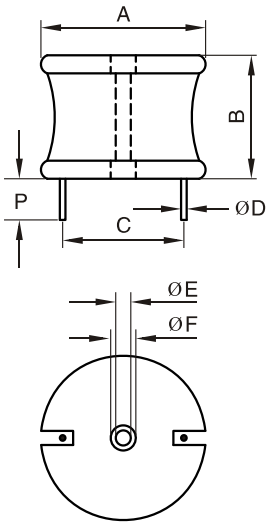
OPTIONS:

- 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 367 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 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{∞} 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: △L/L≤ ±10%

Note: All specifications subject to change without notice.

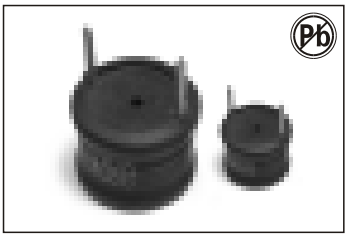
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
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	1.28/32.512	0.84/2.1336
AIRD05–101K	100.0	0.018	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	0.115	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	0.195	7.2	1.12/28.448	0.048/1.2192
AIRD05–152K	1500.0	0.274	5.5	1.12/28.448	0.043/1.0922
AIRD05–182K	1800.0	0.302	5.5	1.13/28.702	0.043/1.0922
AIRD05–222K	2200.0	0.338	5.5	1.16/29.464	0.043/1.0922
AIRD05–272K	2700.0	0.459	4.5	1.02/25.908	0.039/0.9906
AIRD05–332K	3300.0	0.642	4.0	1.02/25.908	0.035/0.8890
AIRD05–392K	3900.0	0.699	4.0	1.14/28.956	0.035/0.8890
AIRD05–472K	4700.0	0.775	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	1.26	2.8	1.16/29.464	0.031/0.7874
AIRD05–103K	10000.0	1.74	2.0	1.13/28.702	0.028/0.7112
AIRD05–123K	12000.0	1.92	2.0	1.13/28.702	0.028/0.7112
AIRD05–153K	15000.0	2.17	2.0	1.13/28.702	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

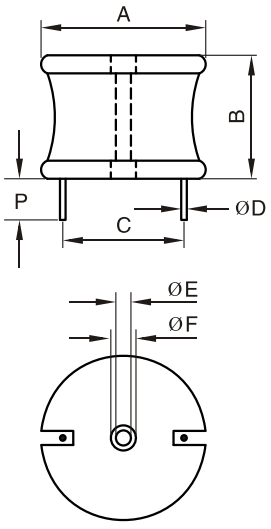
OPTIONS:

- 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 Trica 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 Choke is available in 367 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 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: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

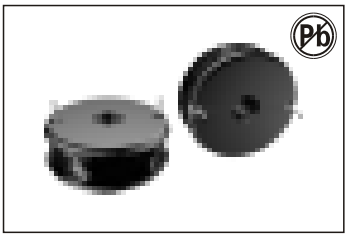
Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
AIRD06–4R7M	4.7	0.002	35.0	1.40/35.56	0.105/2.667
AIRD06–5R6M	5.6	0.002	35.0	1.40/35.56	0.105/2.667
AIRD06–6R8M	6.8	0.003	35.0	1.40/35.56	0.105/2.667
AIRD06–8R2M	8.2	0.003	35.0	1.40/35.56	0.105/2.667
AIRD06–100k	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	0.006	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	1.49/37.846	0.084/2.1336
AIRD06–181K	180.0	0.025	21.0	1.49/37.846	0.084/2.1336
AIRD06–221K	220.0	0.028	21.0	1.49/37.846	0.084/2.1336
AIRD06–271K	270.0	0.030	21.0	1.49/37.846	0.084/2.1336
AIRD06–331K	330.0	0.040	17.0	1.31/33.274	0.075/1.905
AIRD06–390K	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
AIRD06–820K	820.0	0.104	11.4	1.42/36.068	0.060/1.524
AIRD06–102K	1000.0	0.143	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	0.364	5.5	1.36/34.544	0.043/1.0922
AIRD06–332K	3300.0	0.498	4.5	1.24/31.496	0.039/0.9906
AIRD06–392K	3900.0	0.548	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	1.030	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	4.160	1.7	1.37/34.798	0.025/0.6350
AIRD06–393K	39000.0	5.560	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

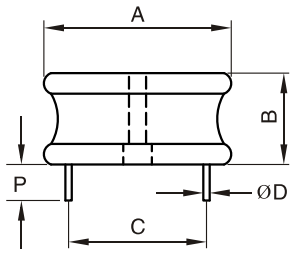
OPTIONS:

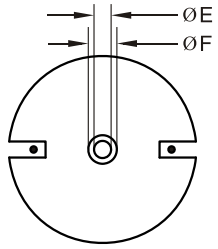
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

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,06A,08A Series of Power Line Choke is available in 367 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 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: △L/L≤ ±10%

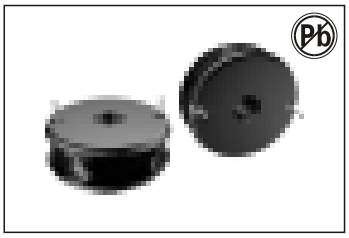
Note: All specifications subject to change without notice.

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	0.0026	33.7	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	27.6	1.39/35.31	0.094/2.388
AIRD06A–180K	18.0	0.0062	25.9	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	0.0084	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	0.0132	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	0.0180	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	0.0223	14.0	1.43/36.32	0.075/1.915
AIRD06A–121K	120.0	0.0324	11.7	1.44/36.58	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	0.1420	6.00	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	0.8740	2.15	1.45/36.83	0.031/0.787
AIRD06A–392K	3900	0.9480	2.08	1.46/37.08	0.031/0.787
AIRD06A–472K	4700	1.2400	2.00	1.46/37.08	0.028/0.711
AIRD06A–562K	5600	1.4000	1.88	1.46/37.08	0.028/0.711
AIRD06A–682K	6800	1.8400	1.80	1.46/37.08	0.028/0.711
AIRD06A–822K	8200	2.3800	1.50	1.47/37.34	0.028/0.711
AIRD06A–103K	10000	2.7500	1.40	1.47/37.34	0.028/0.711

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 07A SERIES

FEATURES:

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

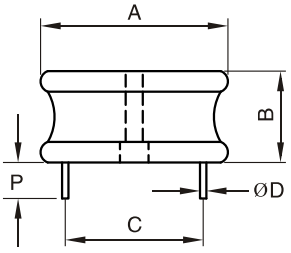
OPTIONS:

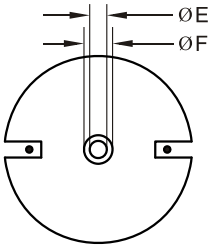
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

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

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	0.74/18.80	0.50/12.70	0.25/6.35	0.425/10.795

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 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 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{oc} 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: △L/L≤ ±10%

Note: All specifications subject to change without notice.

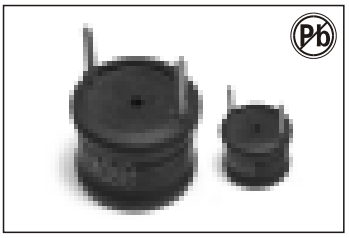
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
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–8R2M	8.2	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	1.88/47.75	0.084/2.134
AIRD07A–680K	68.0	0.0210	16.0	1.88/47.75	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	0.492	3.2	1.72/43.69	0.039/0.991
AIRD07A–182K	1800	0.544	3.0	1.75/44.45	0.031/0.787
AIRD07A–222K	2200	0.691	2.3	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	1.65	1.72/43.69	0.025/0.635
AIRD07A–562K	5600	1.700	1.58	1.72/43.69	0.025/0.635
AIRD07A–682K	6800	1.854	1.50	1.46/37.08	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

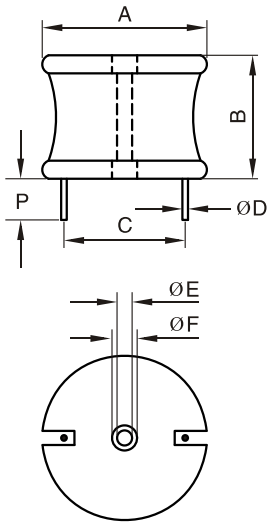
OPTIONS:

- 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 Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	2.50/63.50	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 Choke is available in 367 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 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: △L/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.
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	0.0035	55.0	✲	0.225/5.7150
AIRD08–560K	56.0	0.0039	55.0	✲	0.225/5.7150
AIRD08–680K	68.0	0.0043	50.0	✲	0.225/5.7150
AIRD08–820K	82.0	0.0048	45.0	✲	0.210/5.3340
AIRD08–101K	100.0	0.0052	40.0	✲	0.210/5.3340
AIRD08–121K	120.0	0.0071	39.0	✲	0.210/5.3340
AIRD08–151K	150.0	0.0079	38.0	✲	0.210/5.3340
AIRD08–181K	180.0	0.0087	37.0	✲	0.210/5.3340
AIRD08–221K	220.0	0.0120	33.0	✲	0.190/4.8260
AIRD08–271K	270.0	0.0140	30.0	✲	0.190/4.8260
AIRD08–331K	330.0	0.0180	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	0.0280	21.0	1.70/43.18	0.105/2.6670
AIRD08–561K	560.0	0.0310	20.0	1.45/44.45	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	0.188	8.0	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	0.283	6.7	1.78/45.212	0.0601.5240
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	1.228	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	2.590	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	6.652	1.4	1.95/49.53	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

HIGH CURRENT POWER INDUCTORS

HQ1009 SERIES

COMMON APPLCATIONS:

- PDA/notebook/desktop/server applications
- High current POL converters
- Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for Field Programmable Gate Array (FPGA)

FEATURES:

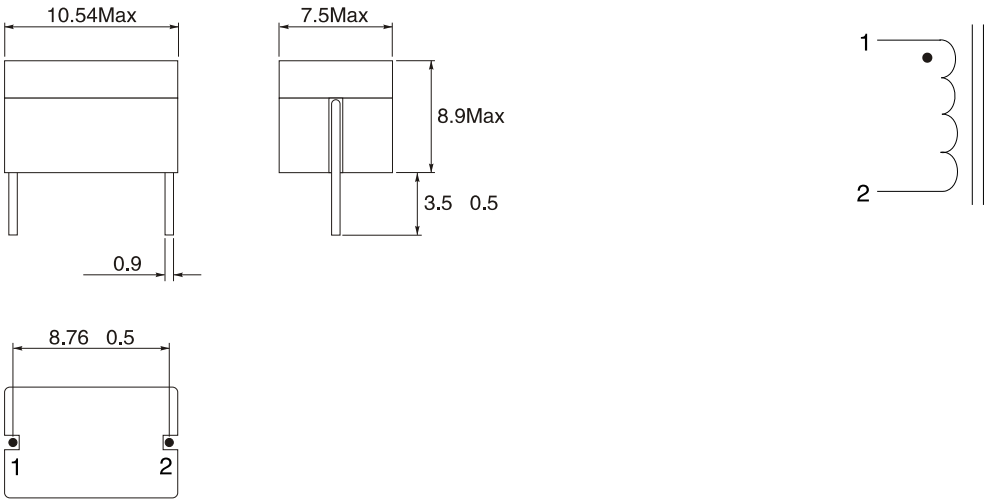
- Current Rating:up to 80Apk
- Inductance Range: 0.14 μ H to 0.31 μ H
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction
- Compliant to RoHS directive 2002/95/EC

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH) ± 15% @0Adc	Heat rating current DC (A)	Saturation current DC (A)	DCR Max. (mΩ).
HQ1009–R14Y	0.14	40	80	0.49 ± 5%
HQ1009–R16Y	0.16	40	70	0.49 ± 5%
HQ1009–R19Y	0.19	40	65	0.49 ± 5%
HQ1009–R22Y	0.22	40	55	0.49 ± 5%
HQ1009–R25Y	0.25	40	50	0.49 ± 5%
HQ1009–R31Y	0.31	40	35	0.49 ± 5%

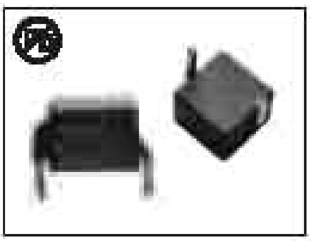
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Dimensions(mm)



NOTES:.

- The rated current listed is the lower of the saturation current @25℃ or the heating current.
- Test Frequency : 100KHz / 1Vdc
- Heat Rated Current (Irms) will cause the coil temperature rise approximately, △T=40℃ without core loss.
- Saturation Current (Isat) will cause L0 to drop approximately 20%
- The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: –40℃ – +125℃.



HIGH CURRENT POWER INDUCTORS

HQ1108 SERIES

COMMON APPLICATIONS:

- PDA/notebook/desktop/server applications
- High current POL converters
- Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for Field Programmable Gate Array (FPGA)

FEATURES:

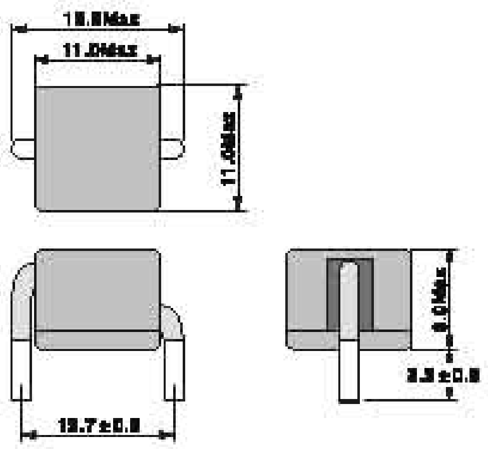
- Size: 15.5mm x 11mm x 8mm
- Current Rating up to 60Apk
- Inductance Range: 0.14μH to 2.25μH
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction
- Compliant to RoHS directive 2002/95/EC

ELECTRICAL CHARACTERISTICS:

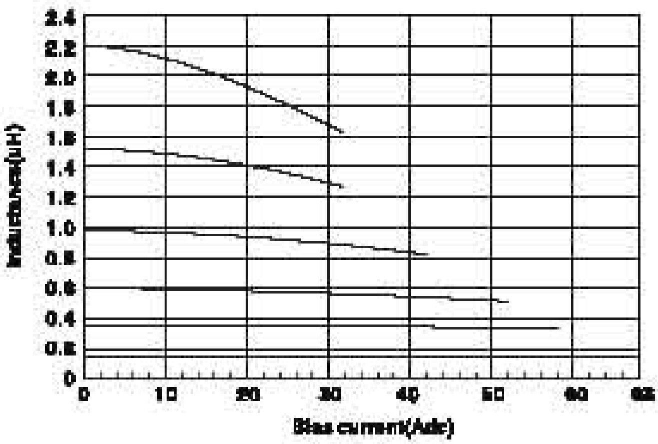
Part Number	Inductance L0(μH) ± 15% @0Adc	Inductance uH typ. @rated current(μH)	Heat rating current DC (A)	Saturation current DC (A)	DCR Max. (mΩ).
HQ1108–R15	0.15	0.14	35.7	60	0.80
HQ1108–R25	0.25	0.23	35.7	48	0.80
HQ1108–R35	0.35	0.32	25.5	45	1.05
HQ1108–R45	0.45	0.41	25.5	38	1.35
HQ1108–R60	0.6	0.54	20.2	35	2.30
HQ1108–R80	0.8	0.72	20.2	25	3.30
HQ1108–1R0	1.0	0.9	18.5	20	4.10
HQ1108–1R3	1.3	1.17	18.8	20	4.10
HQ1108–1R5	1.5	1.35	16.3	18	4.60
HQ1108–1R8	1.8	1.62	16.3	18	4.90
HQ1108–2R2	2.2	1.98	14.0	16	5.60
HQ1108–2R5	2.5	2.25	14.0	16	5.60

PHYSICAL CHARACTERISTICS:

Dimensions(mm)



DC BIAS CURRENT CHARACTERISTICS:



NOTES:

- The rated current listed is the lower of the saturation current @25°C or the heating current.
- Test Frequency : 100KHz / 0.1Vdc
- Testing Instrument : L:HP4284A, CH11025,CH3302, CH1320, CH13208 LCR METER/Rdc:CH16502, Agilent34420A MICRO OHMMETER.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT=40°C without core loss.
- Saturation Current (Isat) will cause L0 to drop approximately 10%.
- The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: −40°C ~ +125°C.

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

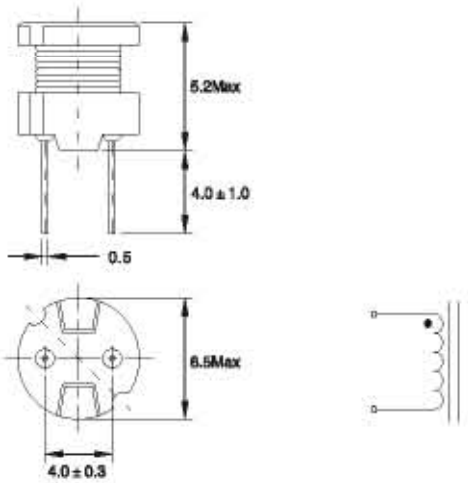
ELECTRICAL CHARACTERISTICS:

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	5.28	0.15
102K	102	1000	7.06	0.13

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION & 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 notice.

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

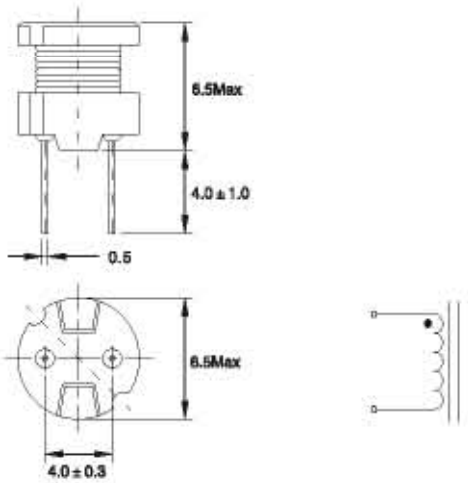
ELECTRICAL CHARACTERISTICS:

Part Number LCH0606-	Marking	Inductance L(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	0.26	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	1.48	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:

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 notice.

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

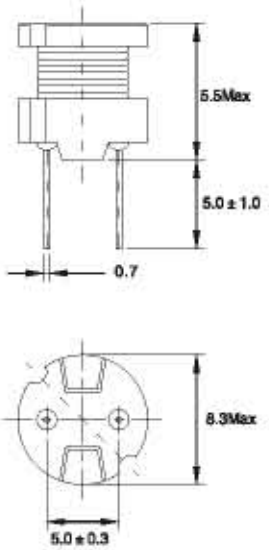
ELECTRICAL CHARACTERISTICS:

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	5.28	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	26.8	0.11
682K	682	6800	31.7	0.098
822K	822	8200	46.5	0.088
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

Note:All specifications subject to change without notiece.

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

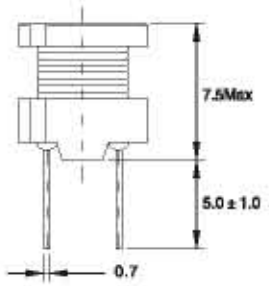
ELECTRICAL CHARACTERISTICS:

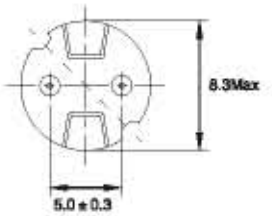
Part Number LCH0807-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100M	100	10	0.05	2.90
120M	120	12	0.06	2.50
150M	150	15	0.07	2.20
180M	180	18	0.08	1.90
220M	220	22	0.09	1.80
270M	270	27	0.11	1.70
330M	330	33	0.13	1.50
390M	390	39	0.14	1.30
470M	470	47	0.15	1.30
560M	560	56	0.18	1.20
680M	680	68	0.20	1.10
820M	820	82	0.24	1.00
101K	101	100	0.28	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	0.86	0.51
331K	331	330	1.05	0.48
391K	391	390	1.17	0.44
471K	471	470	1.34	0.41
561K	561	560	1.72	0.38
681K	681	680	1.96	0.33
821K	821	820	2.56	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

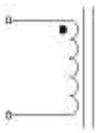
Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

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.

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

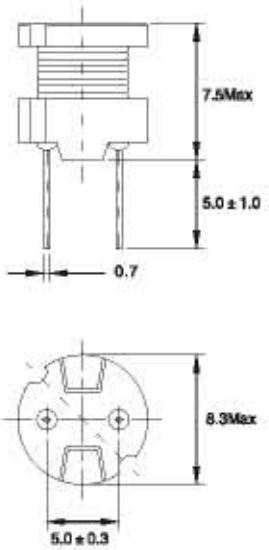
ELECTRICAL CHARACTERISTICS:

Part Number LCH0809-	Marking	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100M	100	10	0.04	2.60
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	0.19	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	0.36	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	25.0	0.073
153K	153	15000	29.1	0.068
183K	183	18000	36.9	0.066
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	96.4	0.038

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

Note:All specifications subject to change without notiece.

RADIAL LEADED WIRE WOUND INDUCTOR

LCH1010 SERIES

FEATURES:

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

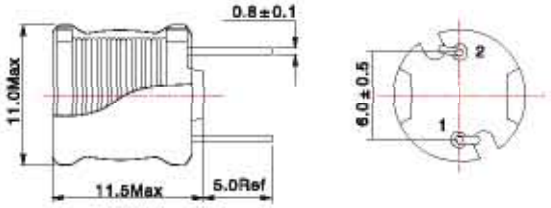
APPLICATIONS:

- 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℃ rise	40℃ rise
LCH1010-680K	68	0.115	5.6	3.2	3.67	3.94	1.8	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	1.55
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	0.96	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	0.99	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	0.28	0.38
LCH1010-392K	3900	5.3	0.71	0.45	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	19.5	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

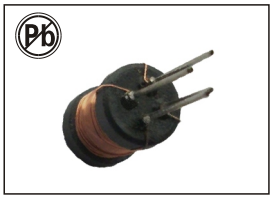
PHYSICAL CHARACTERISTICS:



NOTES:

- Inductance tested at 100 kHz, 0.1Vrms, 0 Adc on an Agilent/HP 4284A LCR-meter or equivalent.
- SRF measured using Agilent/HP 4191A or equivalent.
- DC current at 25℃ that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25℃ ambient. This information is for reference only and does not represent absolute maximum ratings.
- Ambient temperature -40℃ to +85℃ with (40℃ rise) Irms current.
- Maximum part temperature +125° C (ambient + temp rise).
- Storage temperature Component: -40℃ to +125℃.
- Tray or tape packaging: -40℃ to +80℃
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30℃ / 85% relative humidity)

Note:All specifications subject to change without notice.



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.

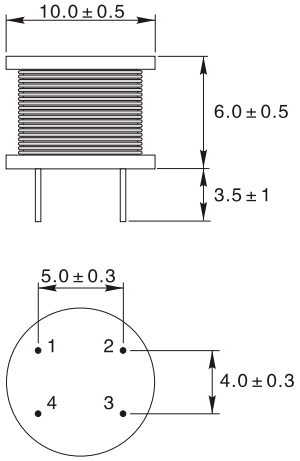
PACKAGING:

- Box packaging

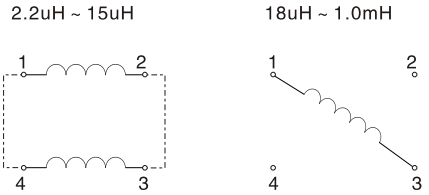
ELECTRICAL CHARACTERISTICS:

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

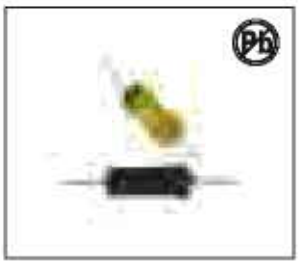


TECHNICAL INFORMATION

- 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.

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

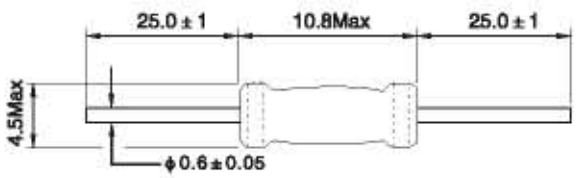
COMMON APPLICATIONS:

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

STANDARD SPECIFICATIONS:

Part Number LCHA0410-	L (μH)	DCR Max. Ω @+20℃	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	.260	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	1.90	320	200
271K	270	2.10	310	180
331K	330	2.40	290	170
391K	390	3.0	260	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	58
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	58.0	59	36
822K	8200	66.0	54	33
103K	10000	75.0	52	30

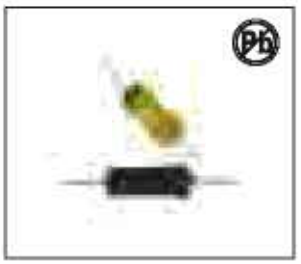
TECHNICAL INFORMATION:



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.

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

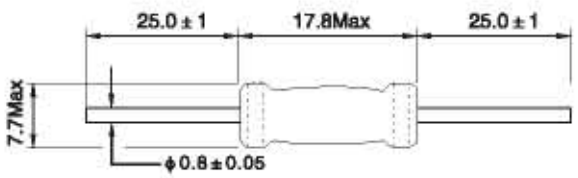
COMMON APPLICATIONS:

- 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	7.3	1.70
4R7K	4.7	.022	6.3	1.50
5R6K	5.6	.024	5.6	1.40
6R8K	6.8	.026	5.3	1.35
8R2K	8.2	.026	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	1.28
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	.810
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	.665	.70	.330
391K	390	.772	.64	.330
471K	470	1.15	.59	.315
561K	560	1.27	.54	.315
681K	680	1.61	.49	.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	5.90	.24	.125
332K	3300	6.56	.220	.125
392K	3900	8.63	.200	.100
472K	4700	10.50	.180	.100
562K	5600	13.90	.166	.062
682K	6800	16.30	.151	.062
822K	8200	20.80	.136	.065
103K	10000	26.40	.125	.050
123K	12000	29.90	.114	.050
153K	15000	42.50	.098	.039
183K	18000	48.30	.091	.039

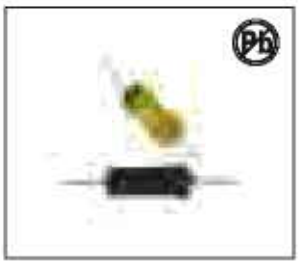
TECHNICAL INFORMATION:



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

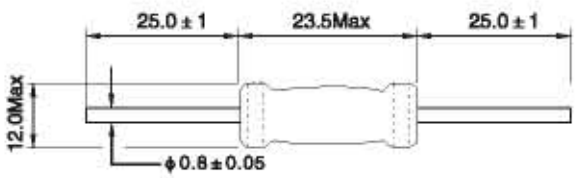
COMMON APPLICATIONS:

- 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	.008	13.9	4.0
5R6K	5.6	.011	12.5	4.0
5R8K	5.8	.011	11.8	4.0
8R2K	8.2	.013	9.89	4.0
100K	10	.017	8.70	4.0
120K	12	.018	8.21	4.0
150K	15	.022	7.34	4.0
180K	18	.023	6.64	4.0
220K	22	.026	6.07	4.0
270K	27	.027	5.36	4.0
330K	33	.032	4.82	4.0
390K	39	.033	4.35	4.0
470K	47	.035	3.98	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	.090	2.79	1.6
121K	120	.119	5.54	1.6
151K	150	.129	2.22	1.6
181K	180	.150	1.98	1.6
221K	220	.162	1.89	1.6
271K	270	.208	1.69	1.6
331K	330	.212	1.51	1.6
391K	390	.261	1.39	1.6
471K	470	.380	1.24	1.2
561K	560	.420	1.17	1.0
681K	680	.548	1.05	1.0
821K	820	.635	.97	0.8
102K	1000	.844	.87	0.8
122K	1200	1.04	.79	0.6
152K	1500	1.16	.70	0.6
182K	1800	1.56	.64	0.6
222K	2200	2.00	.58	0.5
272K	2700	2.06	.53	0.4
332K	3300	2.53	.47	0.4
392K	3900	2.75	.43	0.4
472K	4700	3.19	.39	0.4
562K	5600	3.92	.358	0.315
682K	6800	5.69	.322	0.250
822K	8200	6.32	.293	0.250
103K	10000	7.30	.268	0.250
123K	12000	9.21	.241	0.200
153K	15000	10.50	.214	0.200
183K	18000	14.80	.198	0.158
223K	22000	21.8	.180	0.125
273K	27000	22.7	.162	0.125
333K	33000	25.7	.148	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	79.3	.090	0.065
104K	100000	89.7	.081	0.065

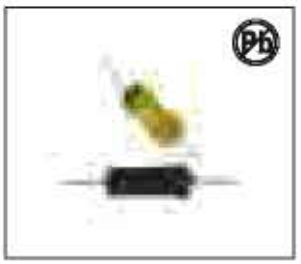
TECHNICAL INFORMATION:



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

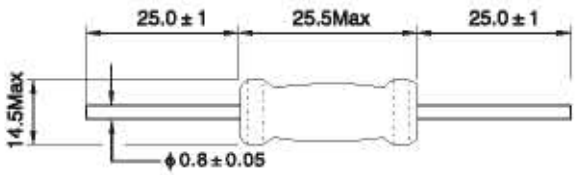
COMMON APPLICATIONS:

- 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	36.0	6.0
5R8K	5.8	.010	29.0	6.0
8R2K	8.2	.011	24.0	6.0
100K	10	.012	19.0	6.0
120K	12	.013	16.0	6.0
150K	15	.014	14.5	6.0
180K	18	.015	13.4	6.0
220K	22	.016	12.4	6.0
270K	27	.017	11.2	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	.039	7.0	4.7
820K	82	.043	6.3	4.7
101K	100	.055	5.7	3.8
121K	120	.076	5.3	3.0
151K	150	.084	4.7	3.0
181K	180	.096	4.3	3.0
221K	220	.108	4.0	3.0
271K	270	.151	3.8	2.3
331K	330	.166	3.2	2.3
391K	390	.182	2.9	2.3
471K	470	.202	2.8	2.3
561K	560	.348	2.4	1.4
681K	680	.470	2.2	1.2
821K	820	.500	2.0	1.2
102K	1000	.570	1.8	1.2
122K	1200	.848	1.70	1.200
152K	1500	.868	1.58	0.900
182K	1800	1.16	1.40	0.750
222K	2200	1.20	1.25	0.750
272K	2700	1.44	1.10	0.750
332K	3300	1.92	1.000	0.590
392K	3900	2.16	0.900	0.590
472K	4700	2.50	0.850	0.590
562K	5600	3.20	0.780	0.450
682K	6800	4.00	0.700	0.450
822K	8200	5.20	0.650	0.350
103K	10000	6.00	0.600	0.350
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	0.390	0.200
273K	27000	15.00	0.355	0.200
333K	33000	21.00	0.330	0.160
393K	39000	23.20	0.300	0.160
473K	47000	32.00	0.270	0.120
563K	56000	35.00	0.175	0.120
683K	68000	48.00	0.145	0.085
823K	82000	54.30	0.120	0.065
104K	100000	58.50	0.100	0.070
124K	120000	75.00	0.080	0.070
154K	150000	84.30	0.060	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:

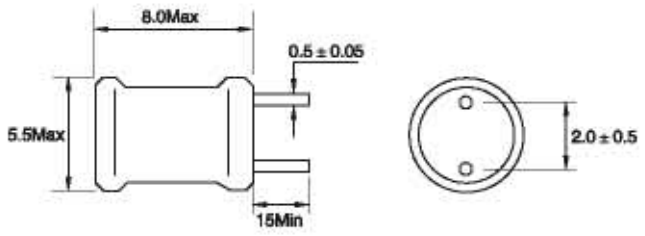
Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Min.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0406-1R0M	1.0	100	7.96MHz	120.00	0.035	2000
LCHB0406-1R2M	1.2	100	7.96MHz	120.00	0.058	1950
LCHB0406-1R5M	1.5	100	7.96MHz	120.00	0.075	1900
LCHB0406-1R8M	1.8	100	7.96MHz	120.00	0.110	1800
LCHB0406-2R2M	2.2	100	7.96MHz	100.00	0.120	1750
LCHB0406-2R7M	2.7	100	7.96MHz	80.00	0.125	1680
LCHB0406-3R3M	3.3	100	7.96MHz	75.00	0.130	1500
LCHB0406-3R9M	3.9	100	7.96MHz	70.00	0.135	1450
LCHB0405-4R7K	4.7	100	7.96MHz	50.00	0.140	1320
LCHB0406-5R6K	5.6	100	7.96MHz	45.00	0.145	1230
LCHB0406-6R8K	6.8	100	7.96MHz	30.00	0.150	1150
LCHB0406-8R2K	8.2	100	7.96MHz	22.00	0.160	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	880
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	8.70	0.700	660
LCHB0406-390K	39.0	70	2.52MHz	8.20	0.740	600
LCHB0406-470K	47.0	70	2.52MHz	7.80	0.760	550
LCHB0406-560K	56.0	50	2.52MHz	7.60	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	6.00	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	65	796KHz	4.20	1.300	350
LCHB0406-181K	180.0	65	796KHz	3.60	1.500	320
LCHB0406-221K	220.0	65	796KHz	2.80	1.800	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	4.200	190
LCHB0406-681K	680.0	50	796KHz	1.30	4.600	170
LCHB0406-821K	820.0	50	796KHz	1.10	5.700	155
LCHB0406-102K	1000.0	90	252KHz	1.00	6.700	150
LCHB0406-122K	1200.0	90	252KHz	0.90	8.200	140
LCHB0406-152K	1500.0	80	252KHz	0.80	13.000	120
LCHB0406-182K	1800.0	80	252KHz	0.80	15.000	110
LCHB0406-222K	2200.0	80	252KHz	0.80	17.000	100
LCHB0406-272K	2700.0	80	252KHz	0.80	19.000	90
LCHB0406-332K	3300.0	70	252KHz	0.70	26.000	83
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
LCHB0406-253K	25000.0	45	79.6KHz		180.000	20

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

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:

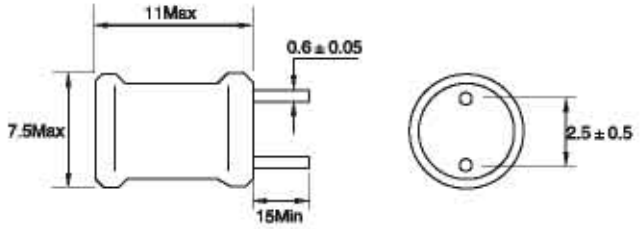
Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0608-3R3K	3.3	20	7.96MHz	0.016	3500
LCHB0608-4R7K	4.7	20	7.96MHz	0.020	3000
LCHB0608-6R8K	6.8	20	7.96MHz	0.022	2500
LCHB0608-100K	10.0	30	2.52MHz	0.039	2000
LCHB0608-150K	15.0	30	2.52MHz	0.045	1700
LCHB0608-220K	22.0	30	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	0.350	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	5.000	155
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	13.600	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	33.800	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	80.000	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	250.000	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:

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

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

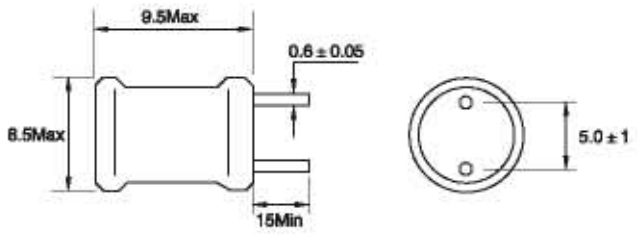
ELECTRICAL CHARACTERISTICS:

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	0.19
LCHB0707-152K	1500.0	50	252kHz	1.3	5.000	0.17	0.16

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

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

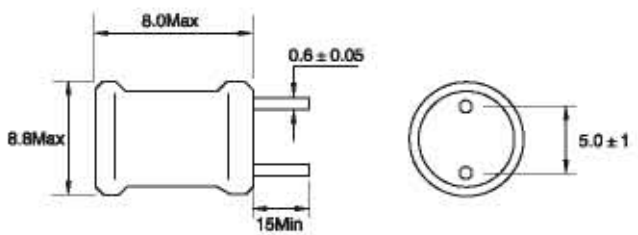
ELECTRICAL CHARACTERISTICS:

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.

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

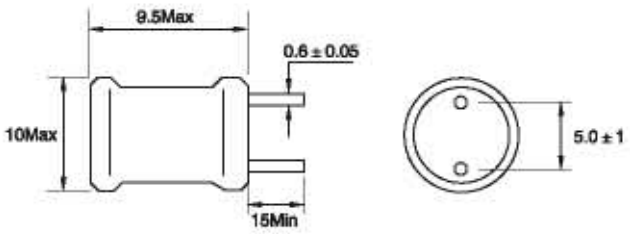
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated Current (A)Max.	
						I sat	I rms
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	0.160	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:

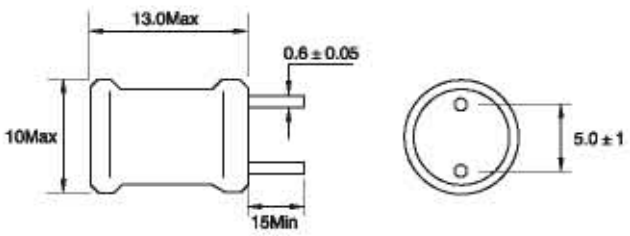
Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0810-3R3M	3.3	30	7.96MHz	65.00	0.012	5000
LCHB0810-3R9K	3.9	30	7.96MHz	55.00	0.014	4600
LCHB0810-4R7K	4.7	30	7.96MHz	45.00	0.016	4300
LCHB0810-5R6K	5.6	30	7.96MHz	38.00	0.020	3900
LCHB0810-6R8K	6.8	30	7.96MHz	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	2100
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	900
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

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated DC Current (mA)Max.
LCHB0810-271K	270.0	20	796kHz	2.90	0.400	550
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	0.65	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	79.8kHz	0.14	180.000	28

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

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

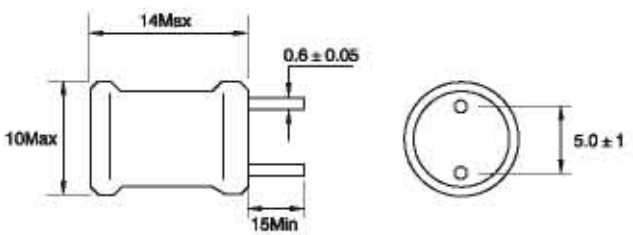
ELECTRICAL CHARACTERISTICS:

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	0.78	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.

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

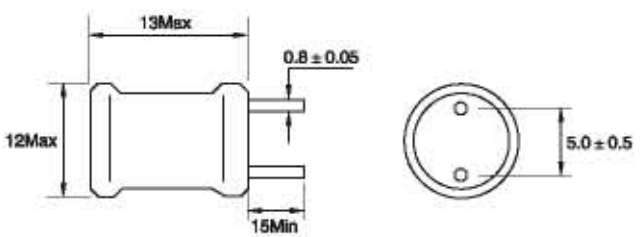
ELECTRICAL CHARACTERISTICS:

Part No.	L@1KHz (uH)	Q Min.	Q Test Freq.	SRF (MHz) Typ.	DCR(Ω) Max.	Rated Current (A)Max.	
						I sat	I rms
LCHB1010-3R3M	3.3	10	7.96MHz	36	0.010	8.8	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	2.9
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	0.76	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

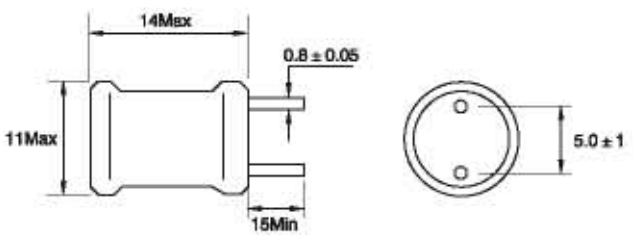
ELECTRICAL CHARACTERISTICS:

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.

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

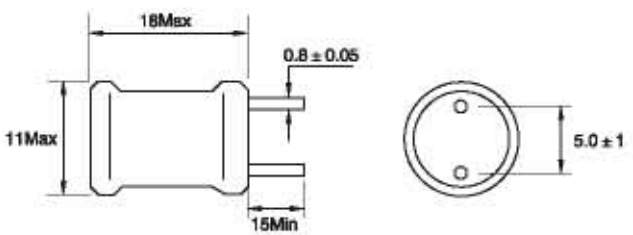
ELECTRICAL CHARACTERISTICS:

Part Number LCHB1016-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)	Part Number LCHB1016-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100K	10	0.031	5.0	122K	1200	1.50	0.49
120K	12	0.036	5.0	152K	1500	1.70	0.49
150K	15	0.040	5.0	182K	1800	1.80	0.385
180K	18	0.041	5.0	222K	2200	2.40	0.385
220K	22	0.043	5.0	272K	2700	2.80	0.385
270K	27	0.046	5.0	332K	3300	3.70	0.300
330K	33	0.051	3.6	392K	3900	5.00	0.250
390K	39	0.054	3.6	472K	4700	5.60	0.250
470K	47	0.063	3.6	562K	5600	6.30	0.250
560K	56	0.075	3.0	682K	6800	8.40	0.190
680K	68	0.078	3.0	822K	8200	9.60	0.190
820K	82	0.088	2.6	103K	10000	10.50	0.190
101K	100	0.108	2.0	123K	12000	14.05	0.150
121K	120	0.127	2.0	153K	15000	20.5	0.120
151K	150	0.162	1.6	183K	18000	27.5	0.095
181K	180	0.128	1.3	223K	22000	31.0	0.095
221K	220	0.252	1.3	273K	27000	35.5	0.095
271K	270	0.290	1.3	333K	33000	40.0	0.095
331K	330	0.394	1.0	393K	39000	51.0	0.095
391K	390	0.416	1.0	473K	47000	56.0	0.095
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				

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

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

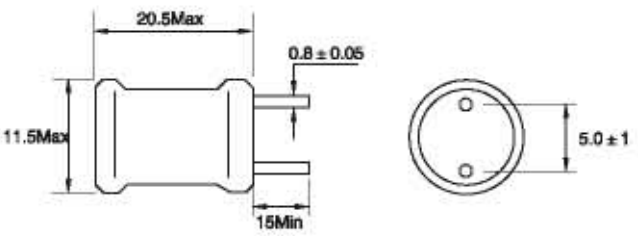
ELECTRICAL CHARACTERISTICS:

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 @ 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

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

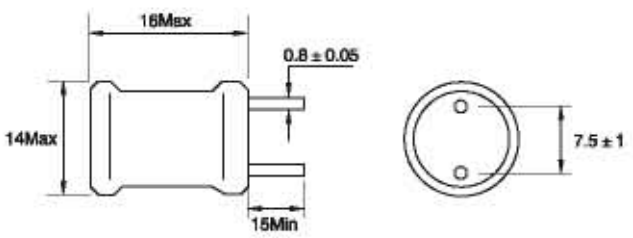
ELECTRICAL CHARACTERISTICS:

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.

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

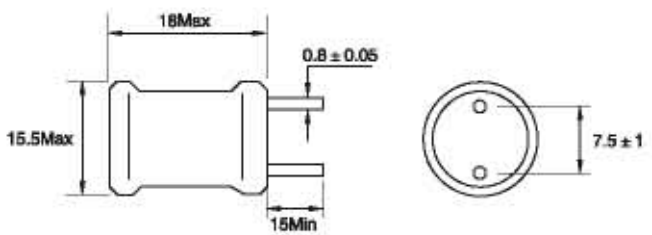
ELECTRICAL CHARACTERISTICS:

Part Number LCHB1415-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)	Part Number LCHB1415-	Inductance L(μH) @1.0KHz,0.1V	DCR(Ω)	IDC(A)
100K	10	0.015	5.0	122K	1200	0.660	1.30
120K	12	0.016	5.0	152K	1500	0.780	1.0
150K	15	0.017	5.0	182K	1800	0.990	1.0
180K	18	0.019	5.0	222K	2200	1.20	0.80
220K	22	0.021	5.0	272K	2700	1.32	0.80
270K	27	0.023	5.0	332K	3300	1.80	0.62
330K	33	0.027	4.0	392K	3900	2.10	0.62
390K	39	0.029	4.0	472K	4700	2.70	0.49
470K	47	0.031	4.0	562K	5600	3.15	0.49
560K	56	0.035	4.0	682K	6800	3.60	0.49
680K	68	0.041	4.0	822K	8200	4.30	0.385
820K	82	0.052	4.0	103K	10000	5.15	0.385
101K	100	0.056	4.0	123K	12000	2.85	0.385
121K	120	0.060	3.3	153K	15000	8.30	0.30
151K	150	0.078	3.3	183K	18000	10.20	0.25
181K	180	0.096	3.3	223K	22000	11.70	0.25
221K	220	0.147	2.6	273K	27000	13.00	0.25
271K	270	0.175	2.6	333K	33000	18.40	0.19
331K	330	0.192	2.0	393K	39000	21.00	0.19
391K	390	0.210	2.0	473K	47000	27.00	0.15
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				

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS:

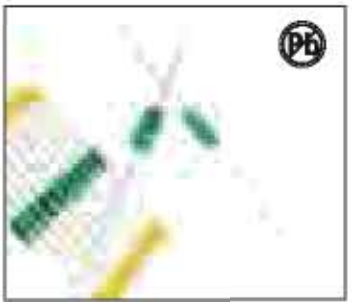
Dimmension: mm



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:

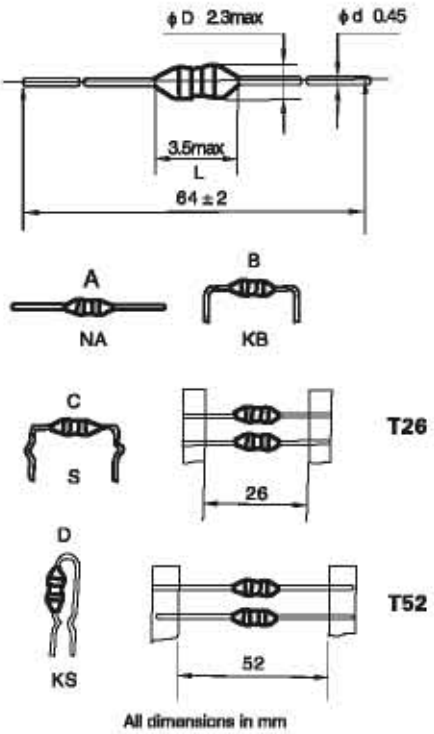
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

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	0.48	370
LAG0204-R39K	0.39	20	35	25.2	150	0.51	350
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	1.9	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	16	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	68
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	6	16	39
LAG0204-181K	180	10	40	0.796	5.5	18	37
LAG0204-221K	220	10	40	0.796	5	20	35
LAG0204-271K	220	10	40	0.796	4.6	26	28
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)

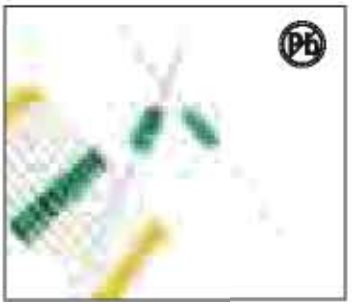
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- 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 @ 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

LGA0305 SERIES



FEATURES:

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

COMMON APPLICATIONS:

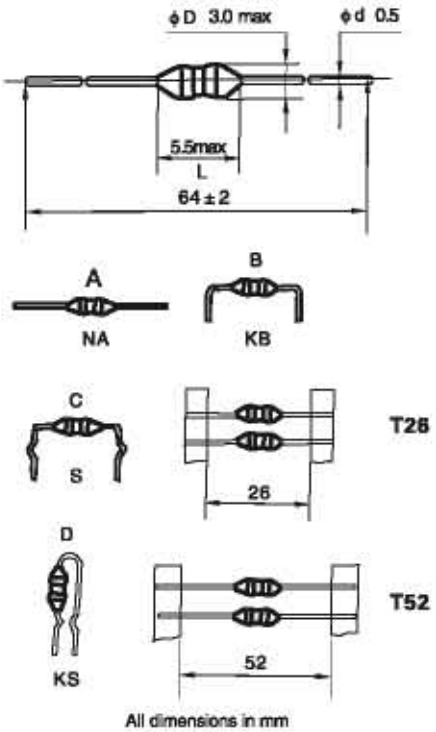
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

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	0.56	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	190
LAG0305-5R6K	5.6	10	50	7.96	42	1.9	180
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	3.8	125
LAG0305-330K	33	10	50	25.2	6.3	4.1	120
LAG0305-390K	39	10	50	25.2	6.3	4.5	115
LAG0305-470K	47	10	50	25.2	6.3	4.9	110
LAG0305-560K	56	10	50	25.2	6.2	5.3	105
LAG0305-680K	68	10	50	25.2	5.7	5.8	100
LAG0305-820K	82	10	50	25.2	5.3	6.3	95
LAG0305-101K	100	10	50	25.2	4.8	7.0	90
LAG0305-121K	120	10	50	0.796	3.8	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)

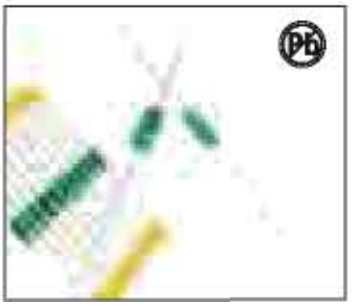
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Millichmmeter
  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

LGA0307 SERIES



FEATURES:

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

COMMON APPLICATIONS:

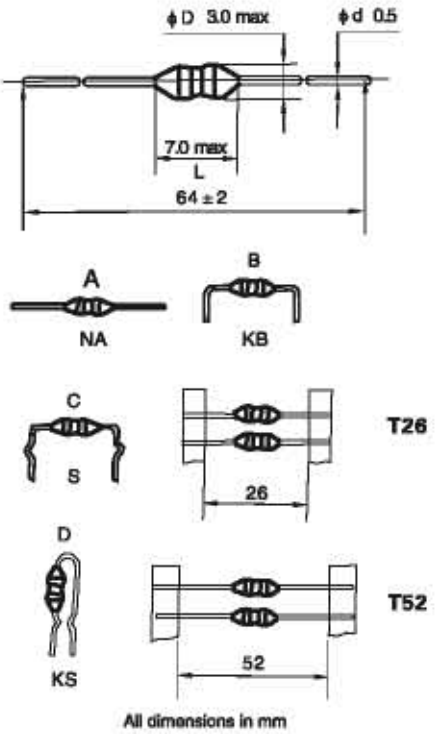
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

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	0.43	380
LGA0307-R33K	0.33	10	35	25.2	150	0.48	370
LGA0307-R39K	0.39	10	35	25.2	150	0.51	350
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	131	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	65	1.6	200
LGA0307-4R7K	4.7	10	50	7.96	56	1.7	190
LGA0307-5R6K	5.6	10	50	7.96	48	1.9	180
LGA0307-6R8K	6.8	10	50	7.96	37	2.0	175
LGA0307-8R2K	8.2	10	50	7.96	25	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	9.6	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	90
LGA0307-151K	150	10	50	0.796	3.5	15.0	85
LGA0307-181K	180	10	50	0.796	3.3	16.0	80
LGA0307-221K	220	10	50	0.796	3.0	17.0	75
LGA0307-271K	270	10	50	0.796	2.8	19.0	65
LGA0307-331K	330	10	50	0.796	2.6	20.0	60
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



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

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

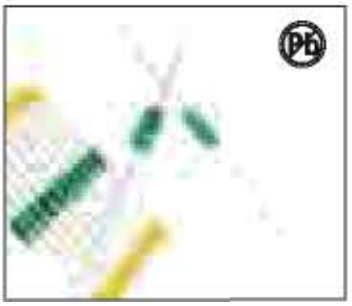
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1890 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:

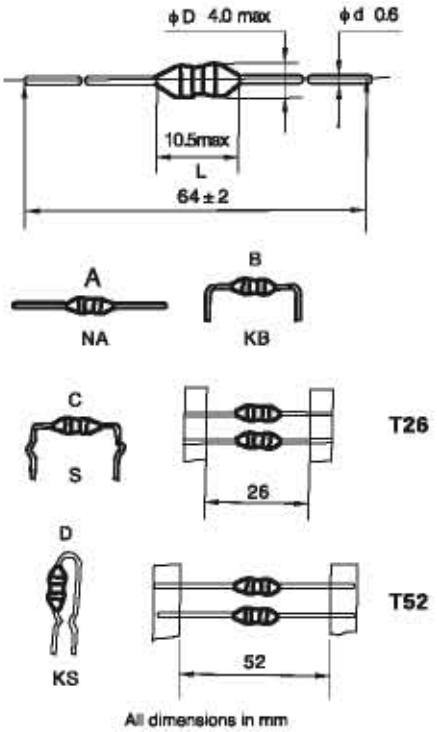
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

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	880
LGA0410-1R5K	1.5	20	50	7.96	131	0.23	830
LGA0410-1R8K	1.8	20	55	7.96	121	0.25	790
LGA0410-2R2K	2.2	20	55	7.96	110	0.28	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	55	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	480
LGA0410-150K	15	10	50	2.52	17	0.72	460
LGA0410-180K	18	10	50	2.52	13	0.77	430
LGA0410-220K	22	10	50	2.52	9.6	0.84	410
LGA0410-270K	27	10	55	2.52	7.2	0.94	390
LGA0410-330K	33	10	55	2.52	6.6	1.03	370
LGA0410-390K	39	10	50	2.52	6.6	1.12	350
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	5.3	1.62	290
LGA0410-101K	100	10	30	2.52	4.8	1.80	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	4.60	165
LGA0410-221K	220	10	55	0.796	3.0	5.10	155
LGA0410-271K	270	10	65	0.796	2.8	5.80	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	KB		101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

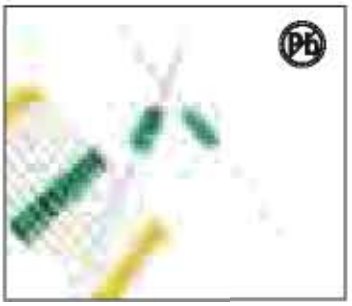
(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- 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

LGA0510 SERIES



FEATURES:

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

COMMON APPLICATIONS:

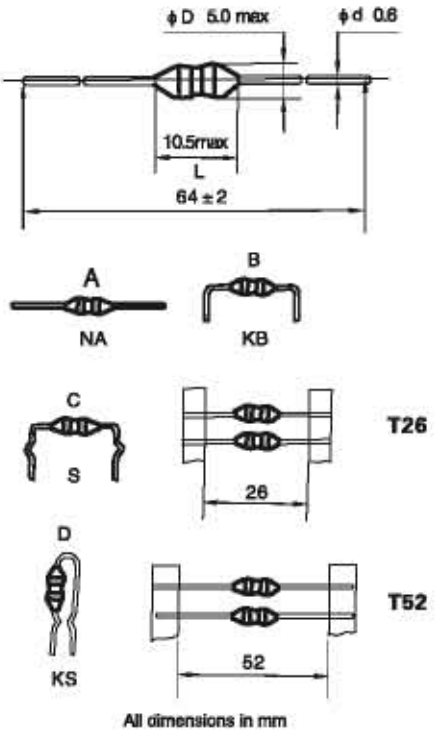
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

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

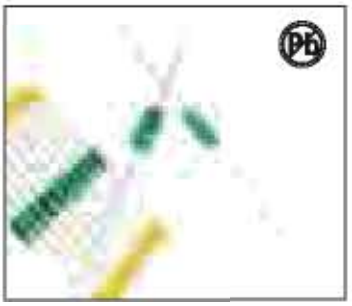
LGA	04	10	KB	_	101	K	T52
(1)	(2)	(3)	(4)		(5)	(6)	(7)

(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

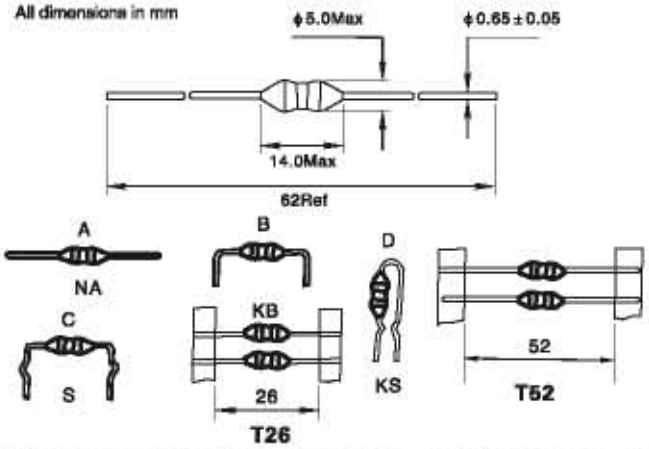
Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LGA0512-1R0K	1.0	7.96	10	7.96	300	0.022	3800
LGA0512-1R2K	1.2	7.96	10	7.96	260	0.024	3700
LGA0512-1R5K	1.5	7.96	10	7.96	250	0.026	3600
LGA0512-1R8K	1.8	7.96	10	7.96	240	0.029	3100
LGA0512-2R2K	2.2	7.96	10	7.96	220	0.031	2900
LGA0512-2R7K	2.7	7.96	10	7.96	195	0.034	2700
LGA0512-3R3K	3.3	7.96	10	7.96	155	0.038	2600
LGA0512-3R9K	3.9	7.96	10	7.96	115	0.040	2500
LGA0512-4R7K	4.7	7.96	10	7.96	85	0.044	2400
LGA0512-5R6K	5.6	7.96	10	7.96	55	0.048	2100
LGA0512-6R8K	6.8	7.96	10	7.96	50	0.051	2000
LGA0512-8R2K	8.2	7.96	10	7.96	38	0.056	1950
LGA0512-100K	10	7.96	10	7.96	24	0.062	1900
LGA0512-120K	12	2.52	10	2.52	18	0.076	1800
LGA0512-150K	15	2.52	10	2.52	16	0.068	1700
LGA0512-180K	18	2.52	10	2.52	15	0.11	1600
LGA0512-220K	22	2.52	10	2.52	14	0.13	1550
LGA0512-270K	27	2.52	10	2.52	13	0.14	1300
LGA0512-330K	33	2.52	10	2.52	11	0.20	1200
LGA0512-390K	39	2.52	10	2.52	10	0.22	1000
LGA0512-430K	43	2.52	10	2.52	9.5	0.28	950
LGA0512-470K	47	2.52	10	2.52	9.5	0.28	950
LGA0512-560K	56	2.52	10	2.52	8.0	0.30	900
LGA0512-680K	68	2.52	10	2.52	7.5	0.34	800
LGA0512-820K	82	2.52	10	2.52	7.0	0.365	750
LGA0512-101K	100	2.52	10	2.52	6.5	0.48	700
LGA0512-121K	120	0.796	15	0.796	5.0	0.595	600
LGA0512-151K	150	0.796	15	0.796	4.5	0.90	500

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
LGA0512-181K	180	0.796	15	0.796	4.0	1.10	400
LGA0512-221K	220	0.796	15	0.796	3.8	1.25	390
LGA0512-271K	270	0.796	15	0.796	3.5	1.85	330
LGA0512-331K	330	0.796	15	0.796	3.0	2.10	310
LGA0512-391K	390	0.796	15	0.796	2.8	2.26	300
LGA0512-471K	470	0.796	15	0.796	2.5	3.22	280
LGA0512-561K	560	0.796	15	0.796	2.2	3.85	270
LGA0512-681K	680	0.796	15	0.796	2.1	4.00	240
LGA0512-821K	820	0.796	15	0.796	2.0	5.00	230
LGA0512-102K	1000	0.796	15	0.796	1.8	5.80	190
LGA0512-122K	1200	0.796	15	0.796	1.6	7.10	180
LGA0512-152K	1500	0.796	15	0.796	1.5	7.8	170
LGA0512-182K	1800	0.796	15	0.796	1.3	11.0	150
LGA0512-222K	2200	0.796	35	0.796	1.2	14.0	120
LGA0512-272K	2700	0.796	35	0.796	1.1	18.0	100
LGA0512-332K	3300	0.796	35	0.796	1.0	22.0	80
LGA0512-392K	3900	0.252	40	0.252	0.9	26.0	60
LGA0512-472K	4700	0.252	50	0.252	0.7	32.0	50
LGA0512-562K	5600	0.252	70	0.252	0.6	34.0	40
LGA0512-682K	6800	0.252	70	0.252	0.5	45.0	34
LGA0512-822K	8200	0.252	50	0.252	0.4	60.0	30
LGA0512-103K	10000	0.0796	40	0.0796	0.4	70.0	28
LGA0512-123K	12000	0.0796	40	0.0796	0.3	82.0	24
LGA0512-153K	15000	0.0796	40	0.0796	0.3	89.0	22
LGA0512-183K	18000	0.0796	40	0.0796	0.3	141.0	15
LGA0512-223K	22000	0.0796	40	0.0796	0.2	170.0	12
LGA0512-333K	33000	0.0796	40	0.0796	0.2	250.0	8

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS

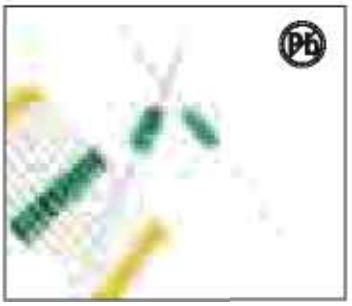
All dimensions in mm



- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value 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 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

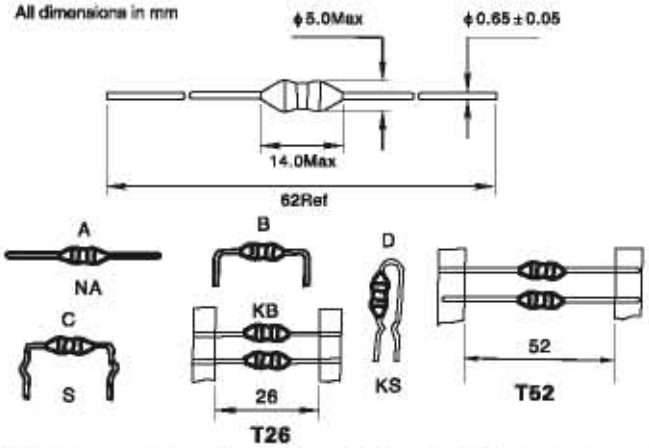
Part Number	L (μH)	Q (Min)	Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	Isat (mA Max)	Irms (mA Max)
LGA0514-1R0K	1.0	10	7.96	300	0.022	5600	3800
LGA0514-1R2K	1.2	10	7.96	260	0.024	5500	3700
LGA0514-1R5K	1.5	10	7.96	250	0.026	5000	3600
LGA0514-1R8K	1.8	10	7.96	240	0.029	4700	3100
LGA0514-2R2K	2.2	10	7.96	220	0.031	4500	2900
LGA0514-2R7K	2.7	10	7.96	195	0.034	4000	2700
LGA0514-3R3K	3.3	10	7.96	155	0.038	3400	2600
LGA0514-3R9K	3.9	10	7.96	115	0.040	3100	2500
LGA0514-4R7K	4.7	10	7.96	85	0.044	2800	2400
LGA0514-5R6K	5.6	10	7.96	55	0.048	2600	2100
LGA0514-6R8K	6.8	10	7.96	50	0.051	2400	2000
LGA0514-8R2K	8.2	10	7.96	38	0.056	2200	1950
LGA0514-100K	10	10	7.96	24	0.062	2100	1900
LGA0514-120K	12	10	2.52	18	0.076	1800	1800
LGA0514-150K	15	10	2.52	16	0.088	1700	1700
LGA0514-180K	18	10	2.52	15	0.11	1600	1600
LGA0514-220K	22	10	2.52	14	0.13	1400	1550
LGA0514-270K	27	10	2.52	13	0.14	1300	1300
LGA0514-330K	33	10	2.52	11	0.20	1200	1200
LGA0514-390K	39	10	2.52	10	0.22	1100	1000
LGA0514-430K	43	10	2.52	9.5	0.28	1000	950
LGA0514-470K	47	10	2.52	9.5	0.28	1000	950
LGA0514-560K	56	10	2.52	8	0.30	900	900
LGA0514-680K	68	10	2.52	7.5	0.34	800	800

Part Number	L (μH)	Q (Min)	Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	Isat (mA Max)	Irms (mA Max)
LGA0514-820K	82	10	2.52	7	0.385	700	750
LGA0514-101K	100	10	2.52	6.5	0.48	700	700
LGA0514-121K	120	15	0.796	5	0.595	600	600
LGA0514-151K	150	15	0.796	4.5	0.80	550	500
LGA0514-181K	180	15	0.796	4	1.10	500	400
LGA0514-221K	220	15	0.796	3.8	1.25	440	390
LGA0514-271K	270	15	0.796	3.5	1.85	420	330
LGA0514-331K	330	15	0.796	3.0	2.10	380	310
LGA0514-391K	390	15	0.796	2.8	2.28	340	300
LGA0514-471K	470	15	0.796	2.5	3.22	320	280
LGA0514-561K	560	15	0.796	2.2	3.85	290	270
LGA0514-681K	680	15	0.796	2.1	4.00	260	240
LGA0514-821K	820	15	0.796	2.0	5.00	250	230
LGA0514-102K	1000	15	0.252	1.8	5.80	220	190
LGA0514-122K	1200	15	0.252	1.6	7.10	200	180
LGA0514-152K	1500	15	0.252	1.5	7.80	190	170
LGA0514-222K	2200	35	0.252	1.0	20.0	140	140
LGA0514-332K	3300	35	0.252	0.8	27.0	130	120
LGA0514-472K	4700	30	0.252	0.7	30.0	120	100
LGA0514-562K	5600	15	0.252	0.5	30.0	100	90
LGA0514-682K	6800	15	0.252	0.4	30.0	90	80
LGA0514-822K	8200	15	0.252	0.4	37.5	80	70
LGA0514-103K	10000	15	0.0796	0.4	42.0	70	60

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS

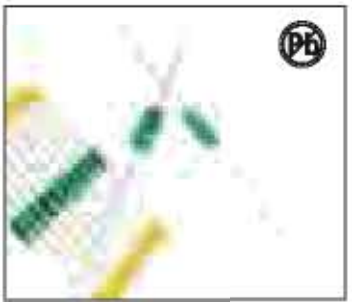
All dimensions in mm



- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value 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 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:

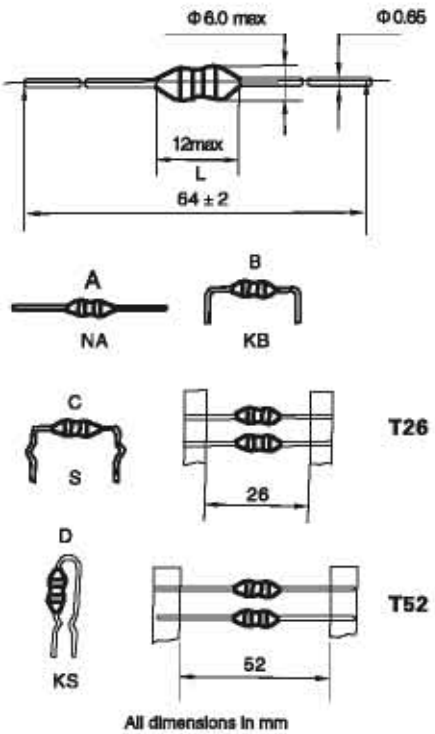
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

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	2.94	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	160
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	26.8	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.

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	0.008	4.30
LGB0709C-2R2M	2.20	1	0.011	3.70
LGB0709C-3R3M	3.30	1	0.018	2.90
LGB0709C-4R7M	4.70	1	0.022	2.60
LGB0709C-6R8M	6.80	1	0.028	2.30
LGB0709C-100M	10	1	0.043	1.90
LGB0709C-150M	15	1	0.056	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	0.26
LGB0709C-102K	1000	1	4.300	0.19
LGB0709C-152K	1500	1	5.000	0.16

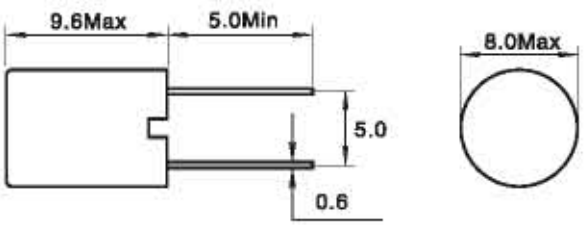
Note:1. K=±10%,M=±20%,N=±30%

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.

Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



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	0.023	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

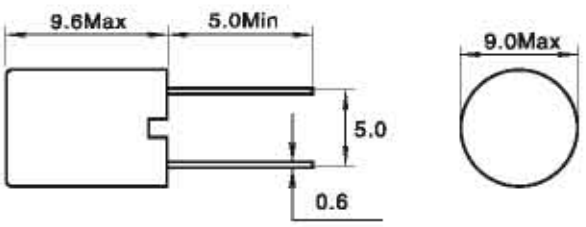
Note:1. K=±10%,M=±20%,N=±30%

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:



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

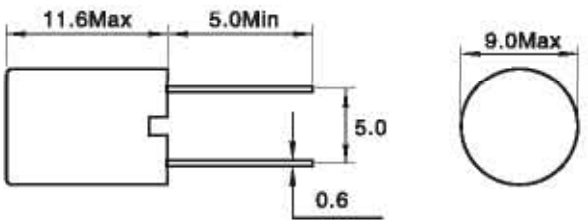
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

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:



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	1.6
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

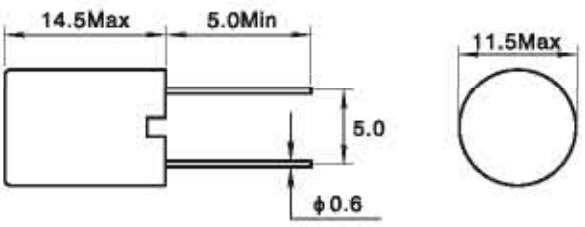
Note:1. K=± 10%,M=± 20%,N=± 30%

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:



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:

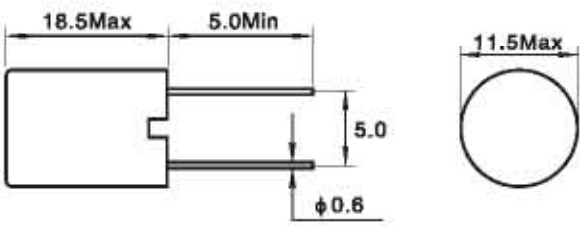
Part Number	L(uH) 10KHz,0.3V	DCR(Ω) Max	IDC(A) Max
LGB1015C-220M	22 ± 20%	0.03	2.26
LGB1015C-330M	33 ± 20%	0.04	2.26
LGB1015C-470K	47 ± 10%	0.06	1.63
LGB1015C-680K	68 ± 10%	0.08	1.63
LGB1015C-101K	100 ± 10%	0.12	1.30
LGB1015C-121K	120 ± 10%	0.14	1.30
LGB1015C-151K	150 ± 10%	0.18	1.0
LGB1015C-221K	220 ± 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.

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:

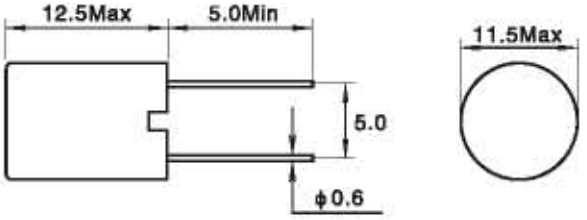
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB1112C-3R3M	3.30	1	0.010	5.90
LGB1112C-4R7M	4.70	1	0.015	4.80
LGB1112C-6R8M	6.80	1	0.016	4.60
LGB1112C-100M	10	1	0.025	3.70
LGB1112C-150M	15	1	0.029	3.40
LGB1112C-220M	22	1	0.040	2.90
LGB1112C-330M	33	1	0.062	2.30
LGB1112C-470M	47	1	0.075	2.10
LGB1112C-680M	68	1	0.130	1.60
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	3.200	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:

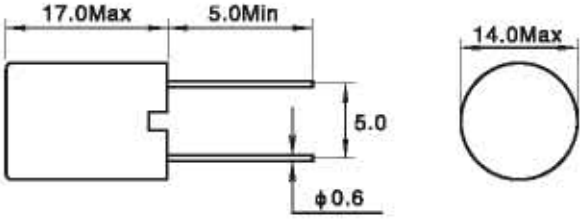
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LGB1315C-100M	10	1	0.023	5.10
LGB1315C-150M	15	1	0.028	4.50
LGB1315C-220M	22	1	0.035	4.20
LGB1315C-330M	33	1	0.043	3.70
LGB1315C-470M	47	1	0.052	3.40
LGB1315C-680M	68	1	0.068	3.00
LGB1315C-101K	100	1	0.097	2.50
LGB1315C-151K	150	1	0.140	2.10
LGB1315C-221K	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.

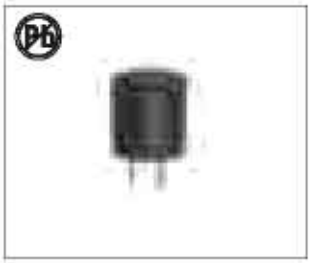
PHYSICAL CHARACTERISTICS:



Note:All specifications subject to change without notice.

DIP SHIELDED POWER INDUCTORS

LGS1213B SERIES



FEATURES:

- Excellent solderability and heat resistance
- Magnetically shielded type inductor,possible to decrease reflection noise
- Available for high density mount due to compact size
- Accomplished low total harmonics distortion as compared

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

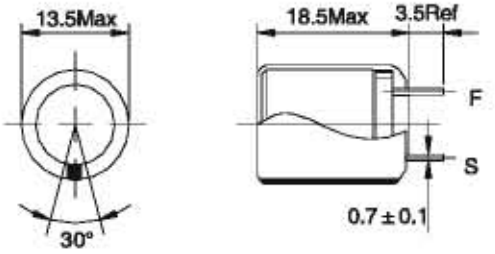
ELECTRICAL CHARACTERISTICS:

Part Number	L uH ± 25%	DCR mΩ Max	Rated current A Max	Allowable current A Max
LGS1213B-100Y	10	30	10.0	8.0
LGS1213B-120Y	12	30	9.0	7.0
LGS1213B-150Y	15	30	8.0	6.0
LGS1213B-220Y	22	50	6.5	5.5
LGS1213B-330Y	33	100	5.0	5.0
LGS1213B-470Y	47	100	4.5	4.0

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

PHYSICAL CHARACTERISTICS:

Dimension: mm



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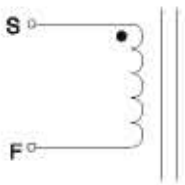
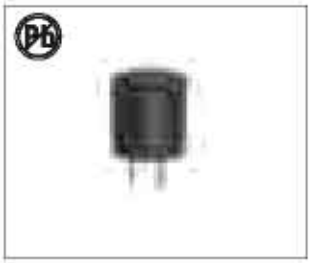


TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4342A,HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
- 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.

DIP SHIELDED POWER INDUCTORS

LGS1218B SERIES



FEATURES:

- Excellent solderability and heat resistance
- Magnetically shielded type inductor,possible to decrease reflection noise
- Available for high density mount due to compact size
- Accomplished low total harmonics distortion as compared

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

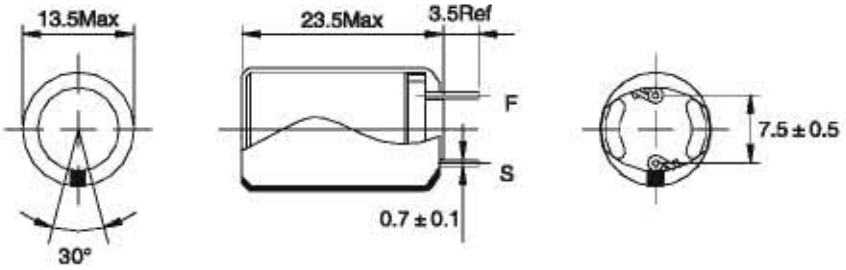
ELECTRICAL CHARACTERISTICS:

Part Number	L uH ± 25%	DCR mΩ Max	Rated current A Max	Allowable current A Max
LGS1218B-100Y	10	30	10.0	10.0
LGS1218B-120Y	12	30	9.5	8.5
LGS1218B-150Y	15	30	8.5	8.0
LGS1218B-220Y	22	50	6.5	7.0
LGS1218B-330Y	33	50	5.0	6.0
LGS1218B-470Y	47	100	4.5	5.0

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

PHYSICAL CHARACTERISTICS:

Dimension: mm



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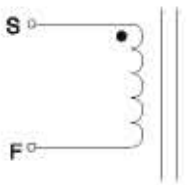
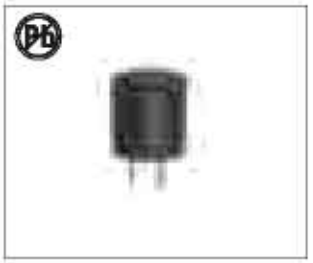


TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4342A,HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
- 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.

DIP SHIELDED POWER INDUCTORS

LGS1619 SERIES



FEATURES:

- Excellent solderability and heat resistance
- Magnetically shielded type inductor,possible to decrease reflection noise
- Available for high density mount due to compact size
- Accomplished low total harmonics distortion as compared

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

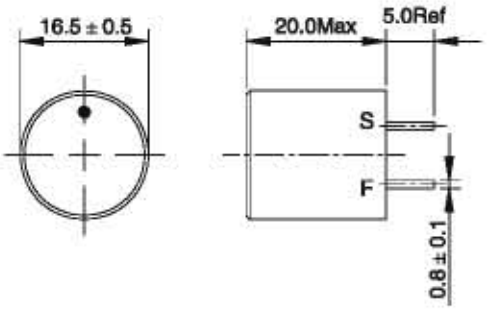
ELECTRICAL CHARACTERISTICS:

Part Number	L uH ± 25%	DCR mΩ Max	Rated current A Max	Allowable current A Max
LGS1619-100Y	10	8.5	10	12
LGS1619-120Y	12	10	9	11
LGS1619-150Y	15	12	8	10.5
LGS1619-220Y	22	16	6.5	8.5
LGS1619-330Y	33	22	5	8
LGS1619-470Y	47	30	3.5	7

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

PHYSICAL CHARACTERISTICS:

Dimension: mm



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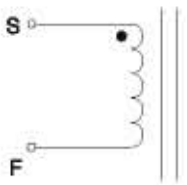
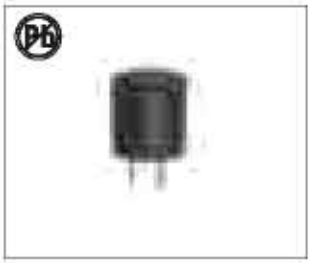


TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4342A,HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
- 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.

DIP SHIELDED POWER INDUCTORS

LGS1622 SERIES



FEATURES:

- Excellent solderability and heat resistance
- Magnetically shielded type inductor,possible to decrease reflection noise
- Available for high density mount due to compact size
- Accomplished low total harmonics distortion as compared

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

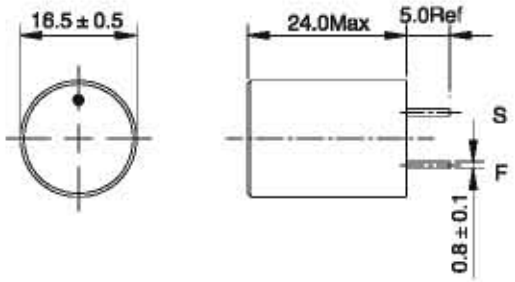
ELECTRICAL CHARACTERISTICS:

Part Number	L uH ± 25%	DCR mΩ Max	Rated current A Max	Allowable current A Max
LGS1622-100Y	10	10	12	11
LGS1622-120Y	12	12	11	10.5
LGS1622-150Y	15	15	10	10
LGS1622-220Y	22	18	7	9.5
LGS1622-330Y	33	20	6	9
LGS1622-470Y	47	30	5	8

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

PHYSICAL CHARACTERISTICS:

Dimension: mm



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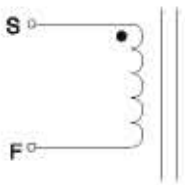
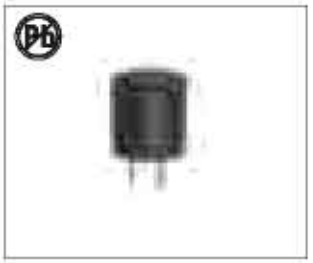


TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4342A,HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
- 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.

DIP SHIELDED POWER INDUCTORS

LGS1622B SERIES



FEATURES:

- Excellent solderability and heat resistance
- Magnetically shielded type inductor,possible to decrease reflection noise
- Available for high density mount due to compact size
- Accomplished low total harmonics distortion as compared

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

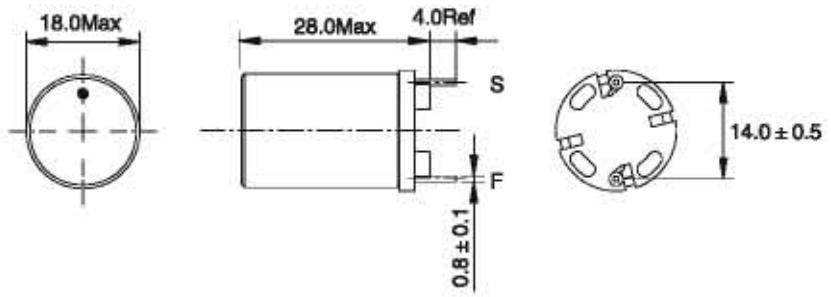
ELECTRICAL CHARACTERISTICS:

Part Number	L uH ± 25%	DCR mΩ Max	Rated current A Max	Allowable current A Max
LGS1622B-100Y	10	20	15	9
LGS1622B-120Y	12	22	14	8.5
LGS1622B-150Y	15	25	12	8
LGS1622B-220Y	22	30	11	7.5
LGS1622B-330Y	33	40	10	7
LGS1622B-470Y	47	55	8	6

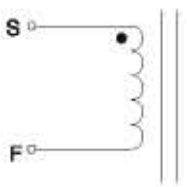
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

PHYSICAL CHARACTERISTICS:

Dimension: mm



WINDING:



TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4342A,HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
- 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.

MOLDED UNSHIELDED RF COILS

LTM0409 SERIES

FEATURES:

- Wire-wound Construction
- High Reliability
- Axial lead fixed inductors
- Moulded Polypropylene

CORE:

- Phenolic core up to 4.7 μ H
- Iron core above 4.7 μ H

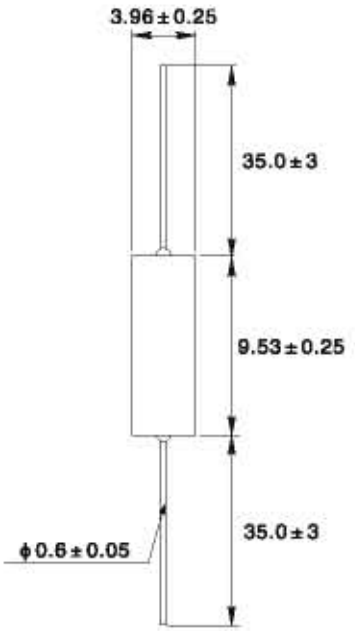
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH)	Q		SRF(MHz) Typ	DCR Max. (Ω).	Rated current(mA)
		Min	@ MHz			
LTM0409-R15M	0.15	50	25	525	0.03	2740
LTM0409-R22M	0.22	50	25	450	0.055	2020
LTM0409-R33M	0.33	45	25	360	0.09	1580
LTM0409-R47M	0.47	45	25	310	0.12	1370
LTM0409-R56K	0.56	50	25	280	0.135	1290
LTM0409-R68K	0.68	50	25	250	0.15	1220
LTM0409-R82K	0.82	50	25	220	0.22	1020
LTM0409-1R0K	1.00	50	25	200	0.29	880
LTM0409-1R2K	1.20	33	7.9	180	0.42	730
LTM0409-1R5K	1.50	33	7.9	160	0.50	670
LTM0409-1R8K	1.80	33	7.9	150	0.65	590
LTM0409-2R2K	2.20	33	7.9	135	0.95	485
LTM0409-2R7K	2.70	33	7.9	120	1.20	430
LTM0409-3R3K	3.30	33	7.9	110	2.00	335
LTM0409-3R9K	3.90	33	7.9	100	2.30	310
LTM0409-4R7K	4.70	33	7.9	90	2.60	294
LTM0409-5R6K	5.60	45	7.9	60	0.32	565
LTM0409-6R8K	6.80	50	7.9	55	0.50	450
LTM0409-8R2K	8.20	50	7.9	50	0.60	410
LTM0409-100K	10.0	55	7.9	45	0.90	335
LTM0409-120K	12.0	65	2.5	42	1.10	305
LTM0409-150K	15.0	65	2.5	40	1.40	271
LTM0409-180K	18.0	75	2.5	34	2.25	213
LTM0409-220K	22.0	75	2.5	30	2.50	202
LTM0409-240J	24.0	60	2.5	28	2.50	202
LTM0409-270K	27.0	60	2.5	25	2.60	198
LTM0409-270J	27.0	60	2.5	25	2.60	198
LTM0409-300J	30.0	65	2.5	21	2.80	191
LTM0409-330K	33.0	65	2.5	19	3.00	185
LTM0409-330J	33.0	65	2.5	19	3.00	185
LTM0409-360J	36.0	60	2.5	15.5	2.50	202
LTM0409-390J	39.0	60	2.5	14.5	2.60	198
LTM0409-430J	43.0	60	2.5	13.7	2.7	194
LTM0409-470J	47.0	55	2.5	13.0	2.75	193
LTM0409-510J	51.0	55	2.5	12.7	2.85	189
LTM0409-560J	56.0	55	2.5	12.0	3.0	184
LTM0409-620J	62.0	55	2.5	11.5	3.15	180
LTM0409-680J	68.0	55	2.5	11.0	3.3	176
LTM0409-750J	75.0	55	2.5	10.5	3.7	166
LTM0409-820J	82.0	50	2.5	10.3	3.9	162
LTM0409-910J	91.0	50	2.5	10.0	4.3	154
LTM0409-101J	100.0	50	2.5	9.5	4.5	151
LTM0409-111J	110.0	60	0.79	8.9	4.9	144
LTM0409-121J	120.0	65	0.79	8.7	5.2	140
LTM0409-131J	130.0	65	0.79	8.5	5.45	137
LTM0409-151J	150.0	65	0.79	8.0	6.05	130
LTM0409-161J	160.0	65	0.79	7.5	6.40	126
LTM0409-181J	180.0	65	0.79	7.0	6.75	123
LTM0409-201J	200.0	65	0.79	6.5	7.10	120
LTM0409-221J	220.0	65	0.79	6.2	7.45	117
LTM0409-241J	240.0	65	0.79	5.9	7.80	115

Note: J=±5%,K=±10%,M=±20%

SIZE:

Dimensions(mm)



WINDING:

NOTES:

Core

0~4.7uH: Phenolic core

4.7~240uH: Iron core

Current rating at 90℃ ambient

0~4.7uH: 35℃ Rise

4.7uH~240uH: 15℃ Rise

Operating temperature range

0~4.7uH: -55℃ to +125℃

4.7uH~240uH: -55℃ to 105℃

MOLDED UNSHIELDED RF COILS

LTM0511 SERIES

FEATURES:

- Wire-wound Construction
- High Reliability
- Axial lead fixed inductors
- Moulded Polypropylene

CORE:

- Thermoset plastic core up to 0.68 μ H
- Ferrite core above 0.68 μ H

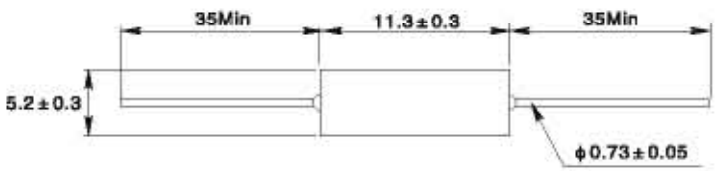
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L0(μH)	Q		SRF(MHz) Typ	DCR Typ. (Ω).	Rated current(A)
		Typ	@ MHz			
LTM0511-R10K	0.1	65	25	400	0.025	3.0
LTM0511-R15K	0.15	65	25	400	0.035	2.5
LTM0511-R22K	0.22	55	25	400	0.045	2.0
LTM0511-R33K	0.33	55	25	350	0.055	2.0
LTM0511-R47K	0.47	55	25	320	0.07	1.7
LTM0511-R68K	0.68	45	15	290	0.09	1.5
LTM0511-1R0K	1.0	45	15	190	0.04	2.2
LTM0511-1R5K	1.5	65	8	155	0.05	2.0
LTM0511-2R2K	2.2	60	8	130	0.06	1.8
LTM0511-3R3K	3.3	50	8	110	0.07	1.7
LTM0511-4R7K	4.7	50	8	95	0.12	1.3
LTM0511-6R8K	6.8	60	8	85	0.22	1.0
LTM0511-100K	10	50	8	65	0.35	0.75
LTM0511-150K	15	55	2.5	55	0.6	0.6
LTM0511-220K	22	65	2.5	45	1.1	0.43
LTM0511-330K	33	85	2.5	35	2.0	0.3
LTM0511-470K	47	70	2.5	20	2.5	0.27
LTM0511-680K	68	65	2.5	16	3.0	0.25
LTM0511-101K	100	65	1.5	14	4.0	0.22
LTM0511-151K	150	80	0.8	9.5	5.8	0.23
LTM0511-221K	220	80	0.8	8.0	7.3	0.2
LTM0511-331K	330	80	0.8	9.5	12	0.16
LTM0511-471K	470	80	0.8	6.5	20	0.12
LTM0511-681K	680	85	0.8	5.0	24	0.11
LTM0511-102K	1000	85	0.8	3.0	30	0.1

Note: J=±5%,K=±10%,M=±20%

SIZE & WINDING:

Dimensions(mm)



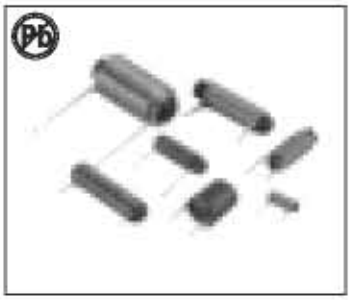
NOTES:

Core

0-0.68uH:	Thermoset plastic core
0.68~1000uH:	Ferrite core
Coating:	Moulded polypropylene
Working temperature:	-55℃ to +85℃ ambient
Rated current max:	Maximum current at 85℃ ambient

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:

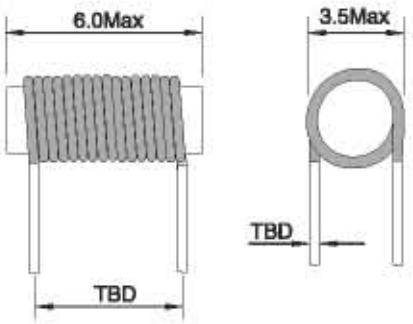
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5
RC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5

Note:1. K=±10%,M=±20%

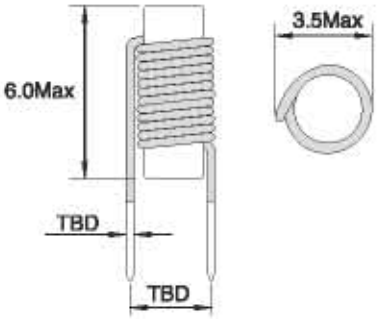
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

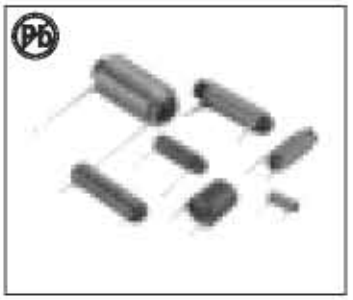


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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:

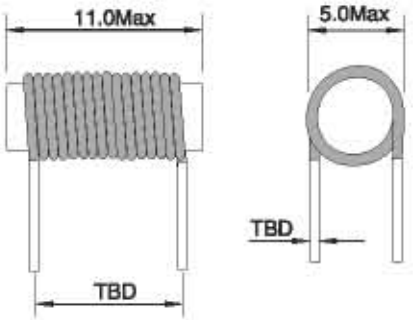
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5
RC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5
RC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5
RC0310-3R3K	3.3	0.035	1.27	135	0.45	17.5
RC0310-3R9K	3.9	0.050	1.00	110	0.40	18.5
RC0310-4R7K	4.7	0.070	0.76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

Note:1. K=±10%,M=±20%

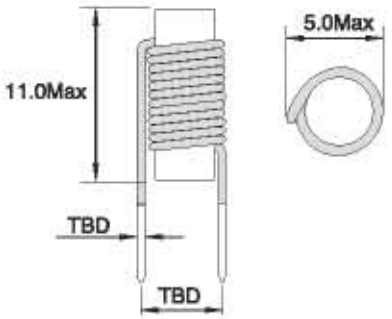
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

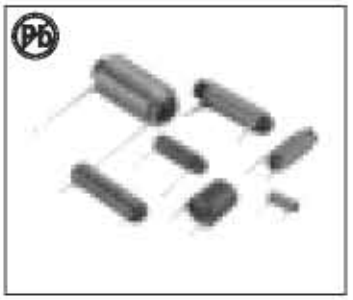


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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:

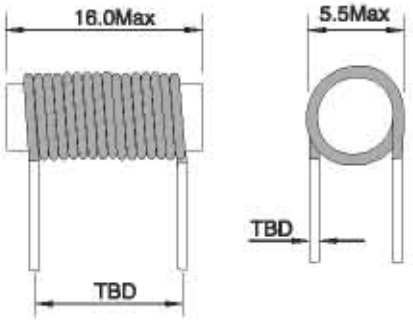
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0415-4R7K	4.7	0.024	2.26	90	0.60	17.5
RC0415-5R6K	5.6	0.030	1.90	80	0.55	18.5
RC0415-6R8K	6.8	0.040	1.57	80	0.50	18.5
RC0415-8R2K	8.2	0.060	1.27	80	0.45	21.5
RC0415-100K	10	0.080	1.00	70	0.40	24.5

Note:1. K=±10%,M=±20%

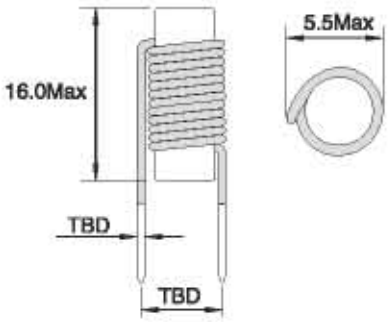
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

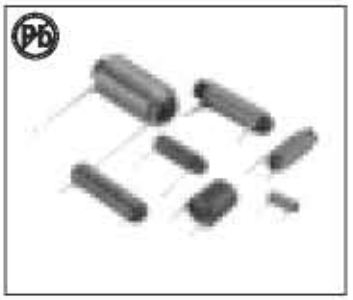


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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:

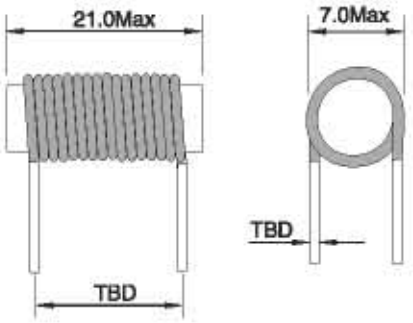
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0520-100K	10	0.040	2.65	60	0.65	22.5
RC0520-120K	12	0.044	2.26	55	0.60	23.5
RC0520-150K	15	0.060	1.90	45	0.55	27.5
RC0520-180K	18	0.080	1.57	40	0.50	29.5
RC0520-220K	22	0.100	1.27	38	0.45	32.5
RC0520-270K	27	0.150	1.00	36	0.40	36.5

Note:1. K=±10%,M=±20%

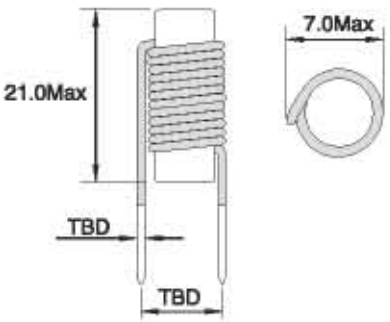
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal



Vertical

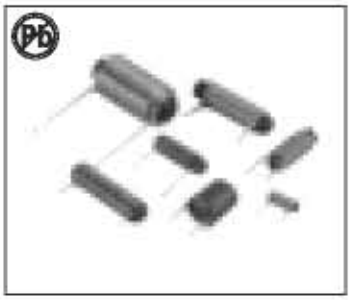


- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: -20℃~+80℃
- Test Equipment

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:

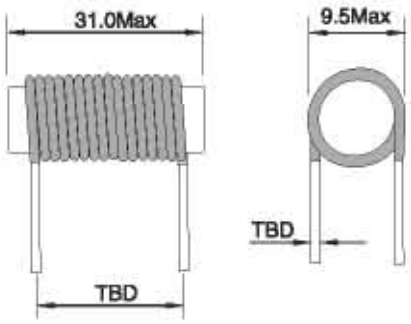
Part Number	L uH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0630-4R7K	4.7	0.005	16.08	85	1.60	12.5
RC0630-5R6K	5.6	0.005	16.08	80	1.60	14.5
RC0630-6R8K	6.8	0.008	10.61	75	1.30	15.5
RC0630-8R2K	8.2	0.009	9.04	67	1.20	16.5
RC0630-100K	10	0.010	9.04	64	1.20	19.5
RC0630-120K	12	0.018	6.28	57	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	36	0.65	35.5
RC0630-390K	39	0.080	2.26	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%

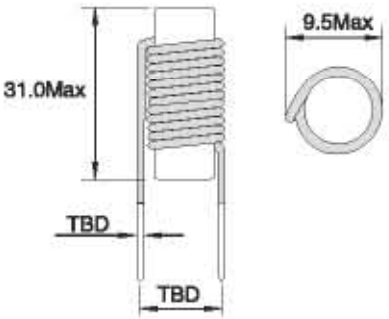
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

Horizontal

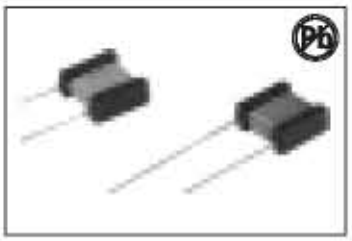


Vertical



- 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.



THROUGH-HOLE RADIAL FLAT POWER INDUCTORS

AIFC 1010 SERIES

FEATURES:

- Ferrite Core
- Wire-wound construction
- Narrow Design for densely mount
- High reliability、Ideal for automatic insertion
- Small Size 、Low Cost
- Wide Range of Inductance Values
- High Q SRF

OPTIONS:

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

COMMON APPLICATIONS:

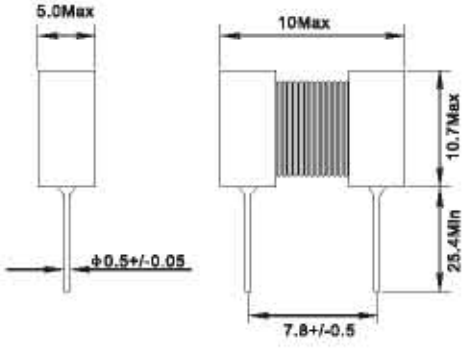
- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	DCR (Ω Max)	IDC (Amax)	Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	DCR (Ω Max)	IDC (Amax)
AIFC1010-1R0K	1.0	7.96	45	7.96	0.015	7.0	AIFC1010-820K	82	2.52	50	2.52	1.196	0.86
AIFC1010-1R2K	1.2	7.96	39	7.96	0.012	6.0	AIFC1010-101K	100	0.796	80	0.796	1.600	0.70
AIFC1010-1R5K	1.5	7.96	33	7.96	0.014	5.0	AIFC1010-121K	120	0.796	70	0.796	1.725	0.65
AIFC1010-1R8K	1.8	7.96	37	7.96	0.020	4.8	AIFC1010-151K	150	0.796	70	0.796	1.855	0.60
AIFC1010-2R2K	2.2	7.96	38	7.96	0.025	4.4	AIFC1010-181K	180	0.796	70	0.796	2.070	0.58
AIFC1010-2R5K	2.5	7.96	40	7.96	0.030	4.1	AIFC1010-221K	220	0.796	50	0.796	2.105	0.49
AIFC1010-2R7K	2.7	7.96	43	7.96	0.028	4.0	AIFC1010-251K	250	0.796	40	0.796	2.700	0.49
AIFC1010-3R3K	3.3	7.96	36	7.96	0.036	3.7	AIFC1010-331K	330	0.796	50	0.796	3.335	0.41
AIFC1010-3R9K	3.9	7.96	37	7.96	0.050	3.4	AIFC1010-391K	390	0.796	45	0.796	3.450	0.39
AIFC1010-4R7K	4.7	7.96	37	7.96	0.053	3.2	AIFC1010-471K	470	0.796	40	0.796	5.290	0.35
AIFC1010-5R0K	5.0	7.96	40	7.96	0.080	2.90	AIFC1010-561K	560	0.796	40	0.796	5.405	0.32
AIFC1010-5R6K	5.6	7.96	38	7.96	0.092	2.80	AIFC1010-681K	680	0.796	45	0.796	5.930	0.29
AIFC1010-6R8K	6.8	7.96	29	7.96	0.113	2.60	AIFC1010-751K	750	0.796	30	0.796	4.200	0.28
AIFC1010-8R2K	8.2	2.52	30	2.52	0.110	2.50	AIFC1010-821K	820	0.796	40	0.796	6.325	0.27
AIFC1010-100K	10	2.52	80	2.52	0.190	2.10	AIFC1010-102K	1000	0.252	70	0.252	8.600	0.21
AIFC1010-120K	12	2.52	40	2.52	0.140	2.00	AIFC1010-122K	1200	0.252	70	0.252	10.00	0.21
AIFC1010-150K	15	2.52	40	2.52	0.158	1.60	AIFC1010-152K	1500	0.252	62	0.252	14.26	0.19
AIFC1010-180K	18	2.52	40	2.52	0.180	1.80	AIFC1010-182K	1800	0.252	62	0.252	15.78	0.17
AIFC1010-220K	22	2.52	40	2.52	0.230	1.40	AIFC1010-222K	2200	0.252	60	0.252	17.70	0.15
AIFC1010-250K	25	2.52	50	2.52	0.500	1.30	AIFC1010-252K	2500	0.252	60	0.252	18.00	0.14
AIFC1010-270K	27	2.52	50	2.52	0.2835	1.30	AIFC1010-272K	2700	0.252	60	0.252	19.10	0.14
AIFC1010-330K	33	2.52	45	2.52	0.346	1.20	AIFC1010-332K	3300	0.252	50	0.252	21.74	0.13
AIFC1010-390K	39	2.52	45	2.52	0.371	1.10	AIFC1010-392K	3900	0.252	50	0.252	26.00	0.12
AIFC1010-470K	47	2.52	45	2.52	0.502	1.03	AIFC1010-472K	4700	0.252	50	0.252	28.90	0.11
AIFC1010-500K	50	2.52	40	2.52	1.100	1.00	AIFC1010-602K	6000	0.252	35	0.252	31.00	0.10
AIFC1010-560K	56	2.52	40	2.52	0.687	0.95	AIFC1010-752K	7500	0.252	25	0.252	50.00	0.08
AIFC1010-680K	68	2.52	40	2.52	0.808	0.90	AIFC1010-103K	10000	0.252	25	0.252	70.00	0.07
AIFC1010-750K	75	2.52	40	2.52	1.200	0.86							

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



Electronical Schematic

DIMENSIONS in mm

TECHNICAL INFORMATION

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4342A
  RDC:QuadTech 1880 Milliohmmeter
  Q- HP4342A – SRF-HP4191A
  DC 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.

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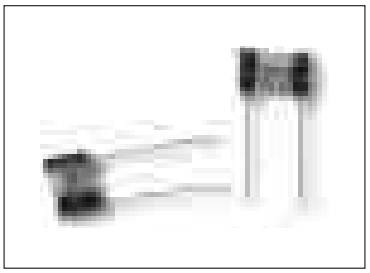


MINI-INDUCTORS
HIGH "Q" FLAT COILS
AIFC1008 Series

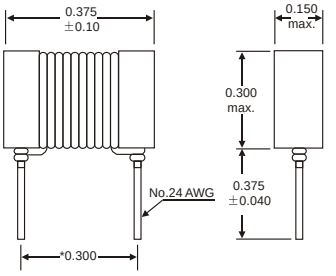
Part No	Inductance μH	Frequency	Min.Q	Max.RDC (Ohms)	Saturation Current DC Amps	Suggested Current Rating Amps
AIFC1008-1R0K	1.0	7.9 Mhz	37	0.010	7.0	2.25
AIFC1008-1R2K	1.2	7.9 Mhz	39	0.012	6.0	1.78
AIFC1008-1R5K	1.5	7.9 Mhz	33	0.014	5.0	1.42
AIFC1008-1R8K	1.8	7.9 Mhz	37	0.020	4.8	1.12
AIFC1008-2R2K	2.2	7.9 Mhz	38	0.025	4.4	0.88
AIFC1008-2R7K	2.7	7.9 Mhz	43	0.028	4.0	0.88
AIFC1008-3R3K	3.3	7.9 Mhz	35	0.036	3.7	0.70
AIFC1008-3R9K	3.9	7.9 Mhz	37	0.050	3.4	0.55
AIFC1008-4R7K	4.7	7.9 Mhz	37	0.053	3.2	0.55
AIFC1008-5R6K	5.6	7.9 Mhz	35	0.092	2.8	0.35
AIFC1008-6R8K	6.8	7.9 Mhz	29	0.113	2.6	0.35
AIFC1008-8R2K	8.2	7.9 Mhz	32	0.116	2.2	0.35
AIFC1008-100K	10	7.9 Mhz	31	0.120	2.1	0.35
AIFC1008-120K	12	2.5 Mhz	55	0.140	2.0	0.35
AIFC1008-150K	15	2.5 Mhz	51	0.158	1.6	0.35
AIFC1008-180K	18	2.5 Mhz	46	0.180	1.5	0.35
AIFC1008-220K	22	2.5 Mhz	51	0.230	1.4	0.28
AIFC1008-270K	27	2.5 Mhz	52	0.265	1.3	0.28
AIFC1008-330K	33	2.5 Mhz	47	0.346	1.2	0.22
AIFC1008-390K	39	2.5 Mhz	46	0.371	1.1	0.22
AIFC1008-470K	47	2.5 Mhz	45	0.502	1.03	0.175
AIFC1008-560K	56	2.5 Mhz	45	0.687	0.95	0.136
AIFC1008-680K	68	2.5 Mhz	46	0.888	0.90	0.108
AIFC1008-820K	82	2.5 Mhz	53	1.196	0.85	0.087
AIFC1008-101K	100	790 Khz	39	1.495	0.80	0.087
AIFC1008-121K	120	790 Khz	75	1.725	0.65	0.087
AIFC1008-151K	150	790 Khz	60	1.955	0.60	0.087
AIFC1008-181K	180	790 Khz	75	2.070	0.56	0.087
AIFC1008-221K	220	790 Khz	63	2.185	0.49	0.087
AIFC1008-271K	270	790 Khz	68	2.530	0.45	0.087
AIFC1008-331K	330	790 Khz	64	3.335	0.41	0.070
AIFC1008-391K	390	790 Khz	60	3.450	0.39	0.070
AIFC1008-471K	470	790 Khz	70	5.290	0.35	0.056
AIFC1008-561K	560	790 Khz	68	5.405	0.32	0.056
AIFC1008-681K	680	790 Khz	64	5.930	0.29	0.056
AIFC1008-821K	820	790 Khz	60	6.325	0.27	0.056
AIFC1008-102K	1000	790 Khz	40	7.130	0.25	0.056
AIFC1008-122K	1200	250 Khz	70	10.005	0.21	0.042
AIFC1008-152K	1500	250 Khz	72	14.260	0.19	0.033
AIFC1008-182K	1800	250 Khz	72	15.765	0.17	0.033
AIFC1008-222K	2200	250 Khz	72	17.595	0.15	0.033
AIFC1008-272K	2700	250 Khz	72	19.320	0.14	0.033
AIFC1008-332K	3300	250 Khz	72	21.735	0.13	0.033
AIFC1008-392K	3900	250 Khz	70	26.000	0.12	0.027
AIFC1008-472K	4700	250 Khz	63	29.900	0.11	0.027

The AIFC1008 is an economical inductor with a unique flat coil configuration that makes it ideally suited for use in high density printed circuit board assemblies. Twice the inductance and Q values are obtainable with the flat coil configuration than is possible with axial lead inductors occupying the same space. The flat coils have a wide range of inductance and high Q values so they can effectively be used at radio as well as audio frequencies.

SPECIFICATIONS:

Operating ambient temperature:
-55℃ to +130℃ Weight: 1 gram maximum
Tolerance: 10% all values 10 μH to 4700 μH
20% all values under 10 μH
Inductance measured on Q meter

PRODUCT DIMENSIONS



*Easily Formable To

ALL DIMENSIONS IN INCHES

INDUCTANCE	Q METER FREQUENCY
1.0-10 μH	7.90 Mhz
10-100 μH	2.50 Mhz
0.1- μH	790 Mhz
1.0-4.7 μH	250 Mhz

NOTES:
1. ±10% Standard Tolerance. Values Below are ±20%
2. Saturation Current Lowers Inductance 5%
3. Nonstandard Values Available Upon Request
4. Encapsulaton Available
5. Height Dimension Shown Without Solder Joint or Coatings