

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

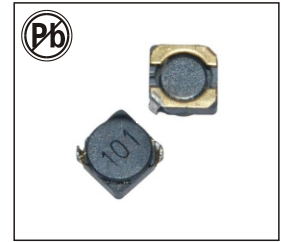
SDRH4D18 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.72A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

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



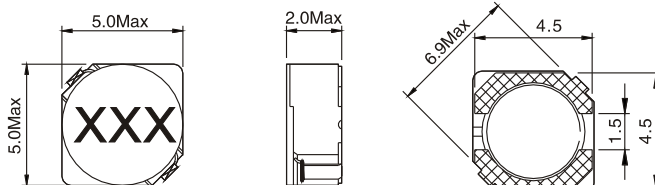
ELECTRICAL CHARACTERISTICS:

Part Number	L μ H	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH4D18-1R0□	1.0	100	0.034	1.72
SDRH4D18-2R2□	2.2	100	0.045	1.32
SDRH4D18-2R7□	2.7	100	0.058	1.28
SDRH4D18-3R3□	3.3	100	0.070	1.04
SDRH4D18-3R9□	3.9	100	0.082	0.88
SDRH4D18-4R7□	4.7	100	0.093	0.84
SDRH4D18-5R6□	5.6	100	0.112	0.80
SDRH4D18-6R8□	6.8	100	0.140	0.76
SDRH4D18-8R2□	8.2	100	0.174	0.68
SDRH4D18-100□	10	100	0.200	0.61
SDRH4D18-120□	12	100	0.229	0.56
SDRH4D18-150□	15	100	0.261	0.50
SDRH4D18-180□	18	100	0.295	0.48
SDRH4D18-220□	22	100	0.397	0.41
SDRH4D18-270□	27	100	0.441	0.35
SDRH4D18-330□	33	100	0.525	0.32
SDRH4D18-390□	39	100	0.60	0.30
SDRH4D18-470□	47	100	0.72	0.28
SDRH4D18-560□	56	100	0.83	0.25
SDRH4D18-680□	68	100	0.97	0.23
SDRH4D18-820□	82	100	1.53	0.21
SDRH4D18-101□	100	100	1.68	0.20
SDRH4D18-121□	120	100	2.06	0.19
SDRH4D18-151□	150	100	2.58	0.17
SDRH4D18-181□	180	100	2.95	0.16
SDRH4D18-221□	220	100	4.17	0.15
SDRH4D18-271□	270	100	4.70	0.13
SDRH4D18-331□	330	100	5.37	0.12
SDRH4D18-391□	390	100	8.91	0.11

□ Note: 1. K= $\pm$ 10%, M= $\pm$ 20%, N= $\pm$ 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

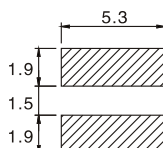
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



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

Note: All specifications subject to change without notice.