

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH3D16 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

COMMON APPLICATIONS:

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

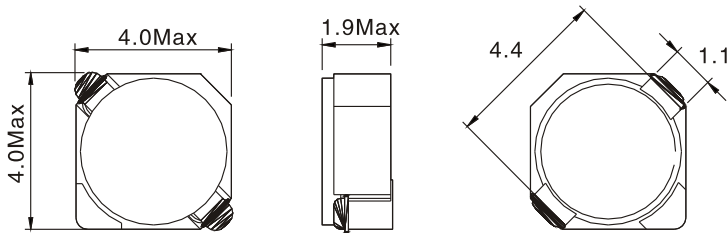
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH3D16-1R0□	1.0	100	0.048	1.80
SDRH3D16-1R5□	1.5	100	0.054	1.55
SDRH3D16-2R2□	2.2	100	0.072	1.20
SDRH3D16-3R3□	3.3	100	0.105	1.03
SDRH3D16-3R9□	3.9	100	0.118	1.02
SDRH3D16-4R7□	4.7	100	0.132	0.95
SDRH3D16-5R6□	5.6	100	0.148	0.75
SDRH3D16-6R8□	6.8	100	0.195	0.73
SDRH3D16-8R2□	8.2	100	0.250	0.65
SDRH3D16-100□	10	100	0.275	0.58
SDRH3D16-120□	12	100	0.312	0.50
SDRH3D16-150□	15	100	0.412	0.46
SDRH3D16-180□	18	100	0.462	0.43
SDRH3D16-220□	22	100	0.600	0.40
SDRH3D16-270□	27	100	0.712	0.35
SDRH3D16-330□	33	100	0.925	0.32
SDRH3D16-390□	39	100	1.062	0.28
SDRH3D16-470□	47	100	1.175	0.26

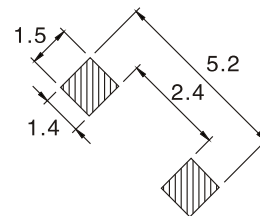
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm



LAND PATTERNS



CONSTRUCTION



- Inductor Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A – SRF-HP4191A
IDCMax current is decreased 10% against its initial value
 - Operating temperature: -40°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.