MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH2D18 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 0.85A
- 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

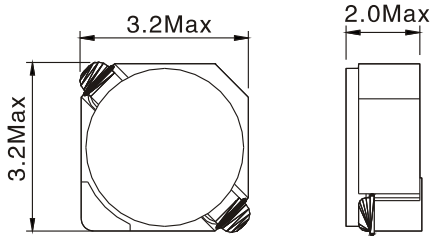
ELECTRICAL CHARACTERISTICS:

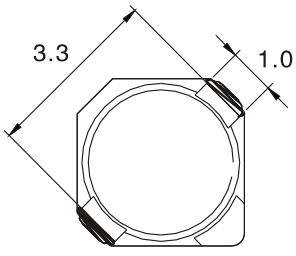
Part Number	L μ H	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH2D18-2R2□	2.2	100	0.041	0.85
SDRH2D18-3R3□	3.3	100	0.054	0.75
SDRH2D18-4R7□	4.7	100	0.078	0.63
SDRH2D18-6R8□	6.8	100	0.106	0.52
SDRH2D18-100□	10	100	0.180	0.43
SDRH2D18-150□	15	100	0.220	0.35
SDRH2D18-220□	22	100	0.320	0.30
SDRH2D18-330□	33	100	0.460	0.24
SDRH2D18-470□	47	100	0.660	0.20

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

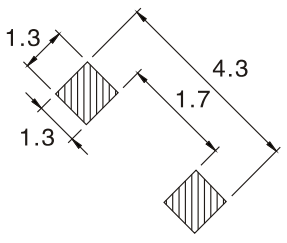
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

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℃ 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.