MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH7030 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

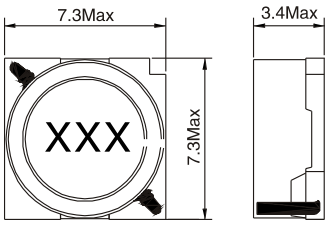
ELECTRICAL CHARACTERISTICS:

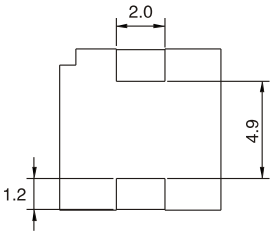
Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7030-3R3□	3.3	1	0.028	1.80
SDRH7030-4R7□	4.7	1	0.044	1.60
SDRH7030-6R8□	6.8	1	0.050	1.50
SDRH7030-100□	10	1	0.064	1.30
SDRH7030-150□	15	1	0.110	1.00
SDRH7030-220□	22	1	0.132	0.86
SDRH7030-330□	33	1	0.192	0.65
SDRH7030-470□	47	1	0.288	0.57
SDRH7030-680□	68	1	0.372	0.49
SDRH7030-101□	100	1	0.540	0.35

□:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

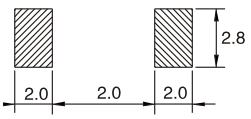
DIMENSIONS IN:mm





CONSTRUCTION

LAND PATTERNS



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