

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH103 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- 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

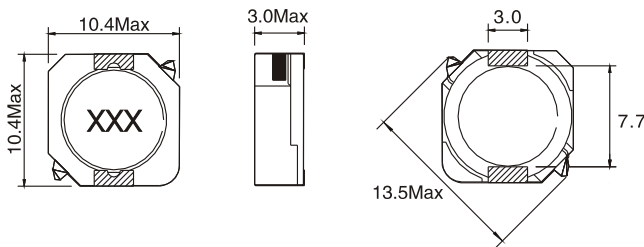
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH103-100□	10	100	0.0581	2.70
SDRH103-120□	12	100	0.0721	2.25
SDRH103-150□	15	100	0.0865	2.22
SDRH103-180□	18	100	0.1161	1.90
SDRH103-220□	22	100	0.1454	1.78
SDRH103-270□	27	100	0.1759	1.63
SDRH103-330□	33	100	0.2134	1.46
SDRH103-390□	39	100	0.2689	1.32
SDRH103-470□	47	100	0.2986	1.18
SDRH103-560□	56	100	0.3358	1.10
SDRH103-680□	68	100	0.4513	1.04
SDRH103-820□	82	100	0.5138	0.94
SDRH103-101□	100	100	0.7000	0.84
SDRH103-121□	120	100	0.7650	0.76
SDRH103-151□	150	100	0.8763	0.70

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

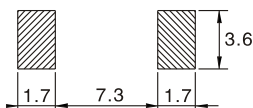
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
DCR: QuadTech 1880 Milliohmeter
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.