

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH104 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 10A
- 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

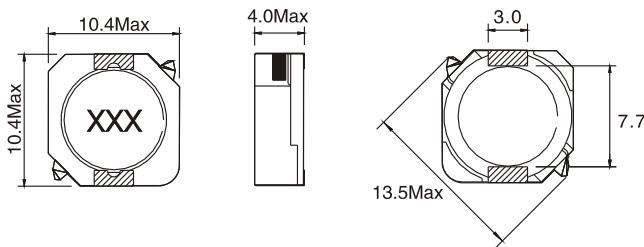
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH104-1R3□	1.3	100	0.008	10.0
SDRH104-2R5□	2.5	100	0.010	7.50
SDRH104-3R8□	3.8	100	0.013	6.00
SDRH104-5R2□	5.2	100	0.022	5.50
SDRH104-7R0□	7.0	100	0.027	4.80
SDRH104-100□	10	100	0.035	4.40
SDRH104-150□	15	100	0.050	3.60
SDRH104-220□	22	100	0.073	2.90
SDRH104-330□	33	100	0.093	2.30
SDRH104-470□	47	100	0.128	2.10
SDRH104-680□	68	100	0.213	1.50
SDRH104-101□	100	100	0.304	1.35
SDRH104-151□	150	100	0.506	1.15
SDRH104-221□	220	100	0.756	0.92
SDRH104-331□	330	100	1.090	0.70

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

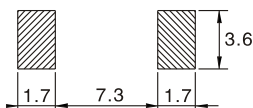
DIMENSIONS IN:mm



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.