

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH10145 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.7A
- 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

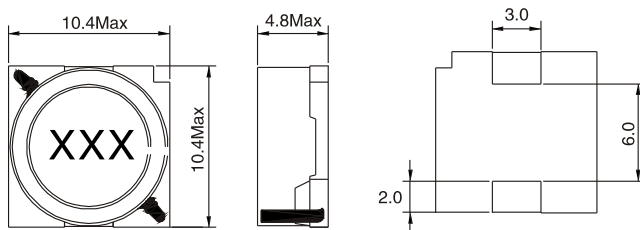
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH10145-3R3□	3.3	1	0.020	3.70
SDRH10145-5R6□	5.6	1	0.027	3.20
SDRH10145-100□	10	1	0.044	2.50
SDRH10145-150□	15	1	0.057	2.20
SDRH10145-220□	22	1	0.070	1.90
SDRH10145-330□	33	1	0.100	1.70
SDRH10145-470□	47	1	0.120	1.50
SDRH10145-680□	68	1	0.168	1.30
SDRH10145-101□	100	1	0.240	1.10
SDRH10145-151□	150	1	0.420	0.81
SDRH10145-221□	220	1	0.564	0.70
SDRH10145-331□	330	1	0.816	0.58
SDRH10145-471□	470	1	1.236	0.47
SDRH10145-681□	680	1	1.920	0.38
SDRH10145-102□	1000	1	3.360	0.29
SDRH10145-122□	1200	1	3.600	0.25
SDRH10145-152□	1500	1	4.080	0.22

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

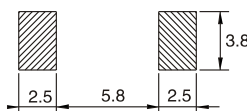
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



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