

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH12565 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 6.2A
- 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

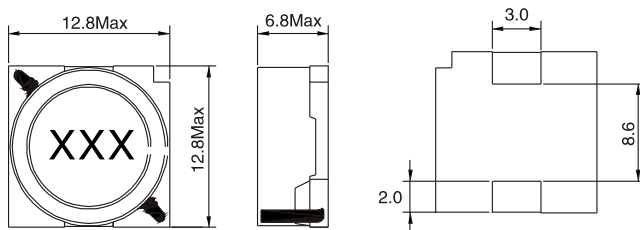
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH12565-2R2□	2.2	1	0.014	6.20
SDRH12565-4R2□	4.2	1	0.018	5.50
SDRH12565-7R0□	7.0	1	0.022	5.00
SDRH12565-100□	10	1	0.025	4.80
SDRH12565-150□	15	1	0.029	4.40
SDRH12565-220□	22	1	0.038	3.80
SDRH12565-330□	33	1	0.049	3.40
SDRH12565-470□	47	1	0.070	2.80
SDRH12565-680□	68	1	0.095	2.40
SDRH12565-101□	100	1	0.150	1.90
SDRH12565-151□	150	1	0.260	1.40
SDRH12565-221□	220	1	0.330	1.20
SDRH12565-331□	330	1	0.600	0.95

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

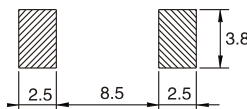
DIMENSIONS IN:mm



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.