

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH12575 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 8.2A
- 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

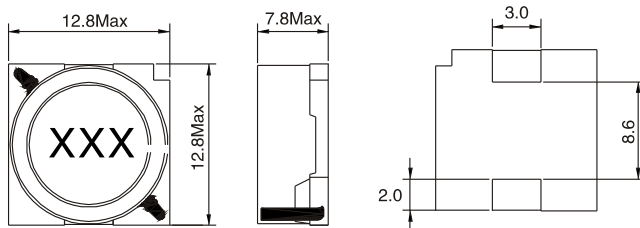
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH12575-1R2□	1.2	1	0.009	8.20
SDRH12575-2R7□	2.7	1	0.012	7.00
SDRH12575-3R9□	3.9	1	0.013	6.70
SDRH12575-5R6□	5.6	1	0.014	6.30
SDRH12575-6R8□	6.8	1	0.016	5.90
SDRH12575-100□	10	1	0.019	5.40
SDRH12575-150□	15	1	0.023	5.00
SDRH12575-220□	22	1	0.032	4.00
SDRH12575-330□	33	1	0.048	3.20
SDRH12575-470□	47	1	0.064	2.70
SDRH12575-680□	68	1	0.094	2.00
SDRH12575-101□	100	1	0.150	1.90
SDRH12575-151□	150	1	0.210	1.50
SDRH12575-221□	220	1	0.310	1.30
SDRH12575-331□	330	1	0.410	1.00

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

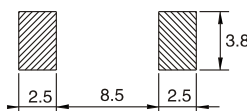
DIMENSIONS IN:mm



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.