

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH12555 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.6A
- 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



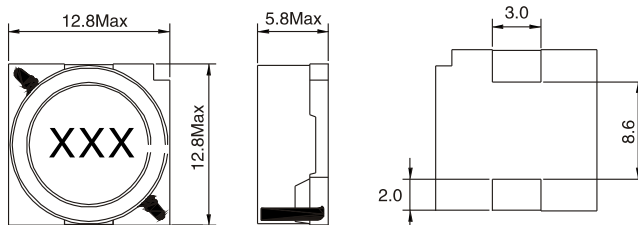
ELECTRICAL CHARACTERISTICS:

Part Number	L (μ H)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH12555-6R0□	6.0	1	0.020	3.60
SDRH12555-100□	10	1	0.026	3.40
SDRH12555-150□	15	1	0.032	2.80
SDRH12555-220□	22	1	0.041	2.30
SDRH12555-330□	33	1	0.050	1.90
SDRH12555-470□	47	1	0.075	1.60
SDRH12555-680□	68	1	0.100	1.30
SDRH12555-101□	100	1	0.150	1.10
SDRH12555-151□	150	1	0.230	0.88
SDRH12555-221□	220	1	0.330	0.72
SDRH12555-331□	330	1	0.492	0.59
SDRH12555-471□	470	1	0.624	0.49
SDRH12555-681□	680	1	0.912	0.43
SDRH12555-102□	1000	1	1.344	0.34
SDRH12555-152□	1500	1	2.076	0.29

□:1. K= $\pm$ 10%,M= $\pm$ 20%,N= $\pm$ 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

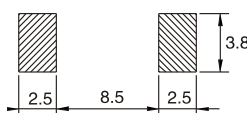
DIMENSIONS IN:mm



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.