

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1308T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 4.05A
- 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

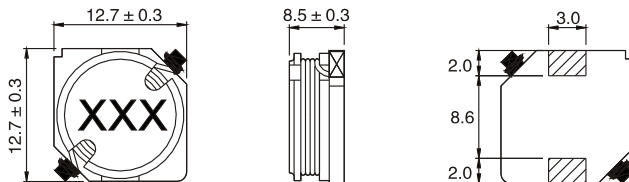
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1308T-100□	10	20	2.52	0.036	4.05
SDR1308T-150□	15	20	2.52	0.040	3.34
SDR1308T-220□	22	20	2.52	0.060	2.80
SDR1308T-330□	33	20	2.52	0.080	2.40
SDR1308T-470□	47	20	2.52	0.110	2.00
SDR1308T-560□	56	20	2.52	0.120	1.90
SDR1308T-680□	68	20	2.52	0.150	1.80
SDR1308T-820□	82	20	2.52	0.190	1.60
SDR1308T-101□	100	15	0.796	0.230	1.50
SDR1308T-121□	120	15	0.796	0.320	1.40
SDR1308T-151□	150	15	0.796	0.370	1.30
SDR1308T-221□	220	15	0.796	0.440	1.00
SDR1308T-331□	330	15	0.796	0.600	0.90
SDR1308T-471□	470	15	0.796	0.880	0.70
SDR1308T-681□	680	10	0.796	1.180	0.50
SDR1308T-102□	1000	10	0.252	1.740	0.48
SDR1308T-122□	1200	10	0.252	1.920	0.38

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

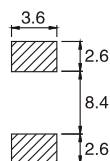
DIMENSIONS IN:mm



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.