

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1030T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.0A
- 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

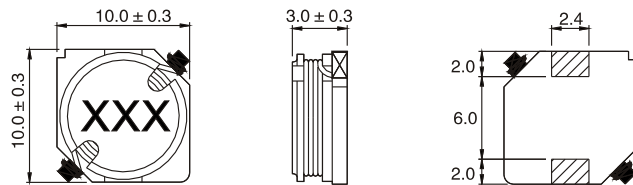
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1030T-2R7□	2.7	13	7.96	0.028	3.00
SDR1030T-4R7□	4.7	13	7.96	0.040	2.60
SDR1030T-6R8□	6.8	15	7.96	0.052	2.20
SDR1030T-100□	10.0	15	2.52	0.064	2.00
SDR1030T-150□	15.0	18	2.52	0.100	1.65
SDR1030T-220□	22.0	20	2.52	0.145	1.38
SDR1030T-330□	33.0	16	2.52	0.220	1.10
SDR1030T-470□	47.0	10	2.52	0.270	0.96
SDR1030T-680□	68.0	12	2.52	0.360	0.82
SDR1030T-101□	100.0	14	0.796	0.540	0.70
SDR1030T-151□	150.0	23	0.796	0.700	0.60
SDR1030T-221□	220.0	23	0.796	1.150	0.46
SDR1030T-331□	330.0	25	0.796	1.700	0.38
SDR1030T-471□	470.0	20	0.796	2.250	0.28
SDR1030T-681□	680.0	18	0.796	3.300	0.23
SDR1030T-102□	1000.0	42	0.796	4.700	0.20

□:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

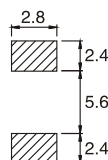
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



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