

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR1305T SERIES

FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 7.2A
- 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



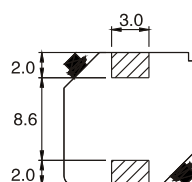
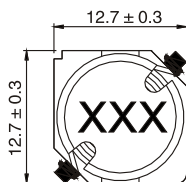
ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR1305T-2R5□	2.5	19	7.96	0.0098	7.20
SDR1305T-3R5□	3.5	20	7.96	0.0105	6.00
SDR1305T-4R6□	4.7	18	7.96	0.0165	5.20
SDR1305T-6R8□	6.8	17	7.96	0.0240	4.30
SDR1305T-100□	10.0	35	2.52	0.0370	3.60
SDR1305T-150□	15.0	28	2.52	0.0460	3.30
SDR1305T-220□	22.0	27	2.52	0.0620	2.90
SDR1305T-330□	33.0	23	2.52	0.0850	2.50
SDR1305T-470□	47.0	24	2.52	0.1300	1.90
SDR1305T-680□	68.0	22	2.52	0.1650	1.65
SDR1305T-101□	100.0	20	0.796	0.2550	1.40
SDR1305T-151□	150.0	17	0.796	0.3800	1.20
SDR1305T-221□	220.0	16	0.796	0.5000	1.00
SDR1305T-331□	330.0	11	0.796	0.7000	0.85
SDR1305T-471□	470.0	14	0.796	1.1500	0.67
SDR1305T-681□	680.0	12	0.796	1.4000	0.60
SDR1305T-102□	1000.0	41	0.252	2.3500	0.46

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

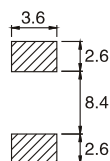
DIMENSIONS IN:mm



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.