

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR0704T SERIES



FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 1.5A
- 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

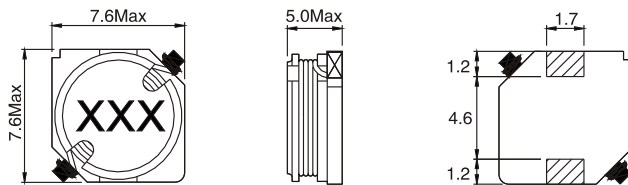
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDR0704T-100□	10	100	0.120	1.50
SDR0704T-120□	12	100	0.130	1.44
SDR0704T-150□	15	100	0.150	1.36
SDR0704T-180□	18	100	0.160	1.30
SDR0704T-220□	22	100	0.190	1.23
SDR0704T-270□	27	100	0.210	1.11
SDR0704T-330□	33	100	0.240	1.00
SDR0704T-390□	39	100	0.270	0.93
SDR0704T-470□	47	100	0.390	0.85
SDR0704T-560□	56	100	0.450	0.75
SDR0704T-680□	68	100	0.500	0.70
SDR0704T-820□	82	100	0.560	0.65
SDR0704T-101□	100	100	1.000	0.52
SDR0704T-121□	120	100	1.050	0.50
SDR0704T-151□	150	100	1.200	0.45
SDR0704T-181□	180	100	1.350	0.40
SDR0704T-221□	220	100	1.520	0.38
SDR0704T-271□	270	100	1.720	0.35
SDR0704T-331□	330	100	2.700	0.30
SDR0704T-391□	390	100	2.960	0.28
SDR0704T-471□	470	100	3.360	0.26
SDR0704T-561□	560	100	3.790	0.24
SDR0704T-681□	680	100	4.330	0.21
SDR0704T-821□	820	100	5.260	0.19
SDR0704T-102□	1000	100	6.220	0.17

□:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

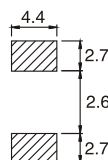
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



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