

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR7030T 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



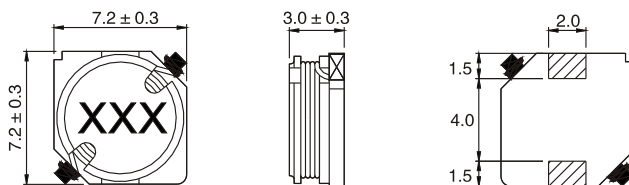
ELECTRICAL CHARACTERISTICS:

Part Number	L μ H (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR7030T-1R0□	1.0	18	7.96	0.022	3.00
SDR7030T-1R5□	1.5	17	7.96	0.027	2.75
SDR7030T-2R2□	2.2	17	7.96	0.030	2.60
SDR7030T-3R5□	3.5	17	7.96	0.038	2.20
SDR7030T-4R7□	4.7	14	7.96	0.048	1.85
SDR7030T-6R2□	6.2	17	7.96	0.058	1.65
SDR7030T-100□	10.0	16	2.52	0.075	1.50
SDR7030T-150□	15.0	14	2.52	0.115	1.20
SDR7030T-220□	22.0	14	2.52	0.160	1.02
SDR7030T-330□	33.0	13	2.52	0.230	0.85
SDR7030T-470□	47.0	12	2.52	0.340	0.70
SDR7030T-680□	68.0	12	2.52	0.480	0.58
SDR7030T-101□	100.0	18	0.796	0.720	0.46
SDR7030T-151□	150.0	18	0.796	0.920	0.40
SDR7030T-221□	220.0	23	0.796	1.600	0.32
SDR7030T-331□	330.0	24	0.796	2.200	0.26
SDR7030T-471□	470.0	30	0.796	2.800	0.22
SDR7030T-681□	680.0	28	0.796	4.350	0.18
SDR7030T-102□	1000.0	66	0.796	6.200	0.15

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

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

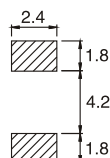
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



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