

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDR7045T SERIES



### FEATURES:

- Unshielded Structure
- Low DC Resistance
- Large current up to 3.8A
- 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

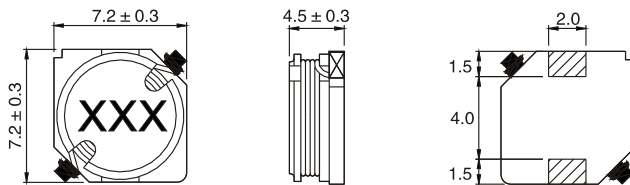
### ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR7045T-1R0□	1.0	25	7.96	0.022	3.80
SDR7045T-1R5□	1.5	26	7.96	0.027	3.50
SDR7045T-2R2□	2.2	24	7.96	0.032	3.30
SDR7045T-3R3□	3.3	23	7.96	0.036	2.80
SDR7045T-4R7□	4.7	23	7.96	0.042	2.60
SDR7045T-6R8□	6.8	22	7.96	0.054	2.25
SDR7045T-100□	10.0	28	2.52	0.070	2.00
SDR7045T-150□	15.0	24	2.52	0.086	1.60
SDR7045T-220□	22.0	26	2.52	0.125	1.40
SDR7045T-330□	33.0	20	2.52	0.150	1.22
SDR7045T-470□	47.0	21	2.52	0.230	1.00
SDR7045T-680□	68.0	17	2.52	0.280	0.90
SDR7045T-101□	100.0	17	0.796	0.430	0.75
SDR7045T-151□	150.0	17	0.796	0.580	0.62
SDR7045T-221□	220.0	22	0.796	0.930	0.50
SDR7045T-331□	330.0	20	0.796	1.240	0.42
SDR7045T-471□	470.0	20	0.796	1.850	0.34
SDR7045T-681□	680.0	18	0.796	2.400	0.30
SDR7045T-102□	1000.0	48	0.252	4.000	0.22

□:1. K= ± 10%,M= ± 20%,N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

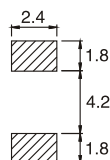
#### DIMENSIONS IN:mm



#### 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.