

# POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS

## SDR0703T-0704T SERIES



### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

### OPTIONS:

- Packaging: Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard, tighter tolerances available

### 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

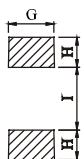
### ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDR0703T-1R0M	1.0	100	0.02	3.60	SDR0704T-100M	10	100	0.120	1.50
SDR0703T-1R5M	1.5	100	0.03	3.40	SDR0704T-120M	12	100	0.130	1.44
SDR0703T-2R2M	2.2	100	0.03	2.68	SDR0704T-150M	15	100	0.150	1.36
SDR0703T-3R3M	3.3	100	0.04	2.40	SDR0704T-180M	18	100	0.160	1.30
SDR0703T-4R7M	4.7	100	0.048	2.26	SDR0704T-220M	22	100	0.190	1.23
SDR0703T-6R8M	6.8	100	0.062	1.66	SDR0704T-270M	27	100	0.210	1.11
SDR0703T-100M	10	100	0.078	1.50	SDR0704T-330M	33	100	0.240	1.00
SDR0703T-120M	12	100	0.088	1.40	SDR0704T-390M	39	100	0.270	0.93
SDR0703T-150M	15	100	0.120	1.20	SDR0704T-470M	47	100	0.390	0.85
SDR0703T-180M	18	100	0.145	1.15	SDR0704T-560M	56	100	0.450	0.75
SDR0703T-220M	22	100	0.165	1.02	SDR0704T-680M	68	100	0.500	0.70
SDR0703T-270M	27	100	0.185	0.88	SDR0704T-820M	82	100	0.560	0.65
SDR0703T-330M	33	100	0.260	0.85	SDR0704T-101K	100	100	1.000	0.52
SDR0703T-390M	39	100	0.286	0.82	SDR0704T-121K	120	100	1.050	0.50
SDR0703T-470M	47	100	0.340	0.72	SDR0704T-151K	150	100	1.200	0.45
SDR0703T-560M	56	100	0.420	0.65	SDR0704T-181K	180	100	1.350	0.40
SDR0703T-680M	68	100	0.510	0.56	SDR0704T-221K	220	100	1.520	0.38
SDR0703T-820M	82	100	0.650	0.52	SDR0704T-271K	270	100	1.720	0.35
SDR0703T-101K	100	100	0.725	0.46	SDR0704T-331K	330	100	2.700	0.30
SDR0703T-151K	150	100	0.920	0.40	SDR0704T-391K	390	100	2.960	0.28
SDR0703T-221K	220	100	1.620	0.32	SDR0704T-471K	470	100	3.360	0.26
SDR0703T-331K	330	100	2.200	0.26	SDR0704T-561K	560	100	3.790	0.24
SDR0703T-471K	470	100	2.800	0.22	SDR0704T-681K	680	100	4.330	0.21
SDR0703T-681K	680	100	4.350	0.18	SDR0704T-821K	820	100	5.260	0.19
SDR0703T-102K	1000	100	6.200	0.15	SDR0704T-102K	1000	100	6.220	0.17

Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

### TECHNICAL INFORMATION:

- 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.

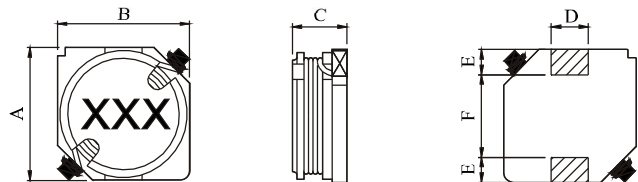


CONSTRUCTION



LAND PATTERNS

### CHARACTERISTICS:



DIMENSIONS IN: mm

Part Number	A	B	C	D	E	F	H	I	J
SDR0703T	7.6Max	7.6Max	3.0Max	2.0	1.3	4.4	3.0	2.0	4.4
SDR0704T	7.6Max	7.6Max	5.0Max	1.7	1.2	4.6	2.7	2.0	4.4