



SDR0703T-0704T SERIES

Magnetic Shielded SMD Power Inductors

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
- Lower tolerances available

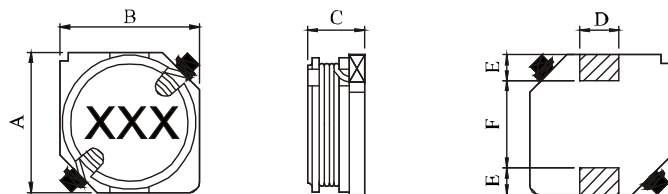
APPLICATIONS

- 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

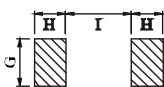
Part Number	L(μH)	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR0703T-1R0M	1	100	0.02	3.6
SDR0703T-1R5M	1.5	100	0.03	3.4
SDR0703T-2R2M	2.2	100	0.03	2.68
SDR0703T-3R3M	3.3	100	0.04	2.4
SDR0703T-4R7M	4.7	100	0.048	2.26
SDR0703T-6R8M	6.8	100	0.062	1.66
SDR0703T-100M	10	100	0.078	1.5
SDR0703T-120M	12	100	0.088	1.4
SDR0703T-150M	15	100	0.12	1.2
SDR0703T-180M	18	100	0.145	1.15
SDR0703T-220M	22	100	0.165	1.02
SDR0703T-270M	27	100	0.185	0.88
SDR0703T-330M	33	100	0.26	0.85
SDR0703T-390M	39	100	0.286	0.82
SDR0703T-470M	47	100	0.34	0.72
SDR0703T-560M	56	100	0.42	0.65
SDR0703T-680M	68	100	0.51	0.56
SDR0703T-820M	82	100	0.65	0.52
SDR0703T-101K	100	100	0.725	0.46
SDR0703T-151K	150	100	0.92	0.4
SDR0703T-221K	220	100	1.62	0.32
SDR0703T-331K	330	100	2.2	0.26
SDR0703T-471K	470	100	2.8	0.22
SDR0703T-681K	680	100	4.35	0.18
SDR0703T-102K	1000	100	6.2	0.15

Part Number	L(μH)	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR0704T-100M	10	100	0.12	1.5
SDR0704T-120M	12	100	0.13	1.44
SDR0704T-150M	15	100	0.15	1.36
SDR0704T-180M	18	100	0.16	1.3
SDR0704T-220M	22	100	0.19	1.23
SDR0704T-270M	27	100	0.21	1.11
SDR0704T-330M	33	100	0.24	1
SDR0704T-390M	39	100	0.27	0.93
SDR0704T-470M	47	100	0.39	0.85
SDR0704T-560M	56	100	0.45	0.75
SDR0704T-680M	68	100	0.5	0.7
SDR0704T-820M	82	100	0.56	0.65
SDR0704T-101K	100	100	1	0.52
SDR0704T-121K	120	100	1.05	0.5
SDR0704T-151K	150	100	1.2	0.45
SDR0704T-181K	180	100	1.35	0.4
SDR0704T-221K	220	100	1.52	0.38
SDR0704T-271K	270	100	1.72	0.35
SDR0704T-331K	330	100	2.7	0.3
SDR0704T-391K	390	100	2.96	0.28
SDR0704T-471K	470	100	3.36	0.26
SDR0704T-561K	560	100	3.79	0.24
SDR0704T-681K	680	100	4.33	0.21
SDR0704T-821K	820	100	5.26	0.19
SDR0704T-102K	1000	100	6.22	0.17

- 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



DIMENSIONS IN: mm



LAND PATTERNS



CONSTRUCTION

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