



SDR1030T, SDR1045T SERIES

SMD Wire Wounded Power Inductors

FEATURES

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 4.8A
- 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

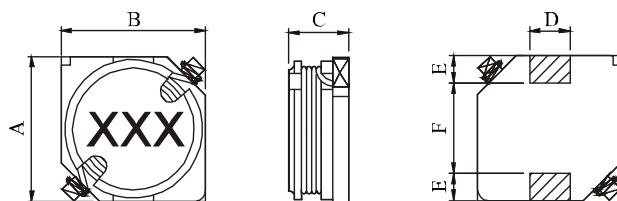
APPLICATIONS

- 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

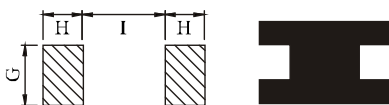
Part Number	L (μH)	Q Typ.	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR-1030T-2R7M	2.7	13	7.96	0.028	3
SDR-1030T-4R7M	4.7	13	7.96	0.04	2.6
SDR-1030T-6R8M	6.8	15	7.96	0.052	2.2
SDR-1030T-100M	10	15	2.52	0.064	2
SDR-1030T-150M	15	18	2.52	0.1	1.65
SDR-1030T-220M	22	20	2.52	0.145	1.38
SDR-1030T-330M	33	16	2.52	0.22	1.1
SDR-1030T-470M	47	10	2.52	0.27	0.96
SDR-1030T-680M	68	12	2.52	0.36	0.82
SDR-1030T-101K	100	14	0.796	0.54	0.7
SDR-1030T-151K	150	23	0.796	0.7	0.6
SDR-1030T-221K	220	23	0.796	1.15	0.46
SDR-1030T-331K	330	25	0.796	1.7	0.38
SDR-1030T-471K	470	20	0.796	2.25	0.28
SDR-1030T-681K	680	18	0.796	3.3	0.23
SDR-1030T-102K	1000	42	0.796	4.7	0.2

Part Number	L (μH)	Q Typ.	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR-1045T-2R7M	2.7	25	7.96	0.026	4.8
SDR-1045T-4R5M	4.5	25	7.96	0.033	4.2
SDR-1045T-6R8M	6.8	22	7.96	0.04	3.5
SDR-1045T-100M	10	26	2.52	0.064	3.2
SDR-1045T-150M	15	26	2.52	0.1	2.5
SDR-1045T-220M	22	22	2.52	0.145	2.2
SDR-1045T-330M	33	20	2.52	0.22	1.9
SDR-1045T-470M	47	21	2.52	0.27	1.6
SDR-1045T-680M	68	21	2.52	0.36	1.3
SDR-1045T-101K	100	14	0.796	0.54	1.1
SDR-1045T-151K	150	16	0.796	0.7	0.85
SDR-1045T-221K	220	15	0.796	1.15	0.72
SDR-1045T-331K	330	12	0.796	1.7	0.62
SDR-1045T-471K	470	12	0.796	2.25	0.52
SDR-1045T-681K	680	13	0.796	3.3	0.43
SDR-1045T-102K	1000	25	0.252	4.7	0.38

- Inductor Testing: HP4284A (Equivalent acceptable)
DCR: QuadTech 1880 Milliohm meter
Q- HP4342A - SRF-HP4191A
IDC Max 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



Part Number	A	B	C	D	E	F	G	H	I
SDR-1030T	10.0 ± 0.3	10.0 ± 0.3	3.0 ± 0.3	2.4	2.0	6.0	2.8	2.4	5.6
SDR-1045T	10.0 ± 0.2	10.0 ± 0.3	4.5 ± 0.3	2.4	2.0	6.0	2.8	2.4	5.6