



# SDR7030T, SDR7045T SERIES

## SMD Wire Wounded Power Inductors

### FEATURES

- Magnetically Shielded 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

### OPTIONS

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

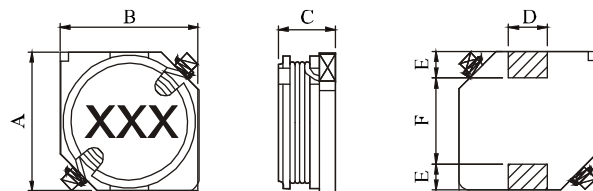
### APPLICATIONS

- 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-7030T-1R0M	1	18	7.96	0.022	3
SDR-7030T-1R5M	1.5	17	7.96	0.027	2.75
SDR-7030T-2R2M	2.2	17	7.96	0.03	2.6
SDR-7030T-3R5M	3.5	17	7.96	0.038	2.2
SDR-7030T-4R7M	4.7	14	7.96	0.048	1.85
SDR-7030T-6R2M	6.2	17	7.96	0.058	1.65
SDR-7030T-100M	10	16	2.52	0.075	1.5
SDR-7030T-150M	15	14	2.52	0.115	1.2
SDR-7030T-220M	22	14	2.52	0.16	1.02
SDR-7030T-330M	33	13	2.52	0.23	0.85
SDR-7030T-470K	47	12	2.52	0.34	0.7
SDR-7030T-680K	68	12	2.52	0.48	0.58
SDR-7030T-101K	100	18	0.796	0.72	0.46
SDR-7030T-151K	150	18	0.796	0.92	0.4
SDR-7030T-221K	220	23	0.796	1.6	0.32
SDR-7030T-331K	330	24	0.796	2.2	0.26
SDR-7030T-471K	470	30	0.796	2.8	0.22
SDR-7030T-681K	680	28	0.796	4.35	0.18
SDR-7030T-102K	1000	66	0.796	6.2	0.15

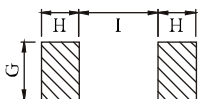
Part Number	L (μH)	Q Typ.	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR-7045T-1R0M	1	25	7.96	0.022	3.8
SDR-7045T-1R5M	1.5	26	7.96	0.027	3.5
SDR-7045T-2R2M	2.2	24	7.96	0.032	3.3
SDR-7045T-3R3M	3.3	23	7.96	0.036	2.8
SDR-7045T-4R7M	4.7	23	7.96	0.042	2.6
SDR-7045T-6R8M	6.8	22	7.96	0.054	2.25
SDR-7045T-100M	10	28	2.52	0.07	2
SDR-7045T-150M	15	24	2.52	0.086	1.6
SDR-7045T-220M	22	26	2.52	0.125	1.4
SDR-7045T-330M	33	20	2.52	0.15	1.22
SDR-7045T-470K	47	21	2.52	0.23	1
SDR-7045T-680K	68	17	2.52	0.28	0.9
SDR-7045T-101K	100	17	0.796	0.43	0.75
SDR-7045T-151K	150	17	0.796	0.58	0.62
SDR-7045T-221K	220	22	0.796	0.93	0.5
SDR-7045T-331K	330	20	0.796	1.24	0.42
SDR-7045T-471K	470	20	0.796	1.85	0.34
SDR-7045T-681K	680	18	0.796	2.4	0.3
SDR-7045T-102K	1000	48	0.252	4	0.22

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

### CONSTRUCTION



Part Number	A	B	C	D	E	F	G	H	I
SDR-7030T	7.2 ± 0.3	7.2 ± 0.3	3.0 ± 0.3	2.0	1.5	4.0	2.4	1.8	4.2
SDR-7045T	7.0 ± 0.2	7.0 ± 0.2	4.5 ± 0.3	2.0	1.5	4.0	2.4	1.8	4.2