



SDR1305T, SDR1308T SERIES

SMD Wire Wounded Power Inductors

FEATURES

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 7.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS

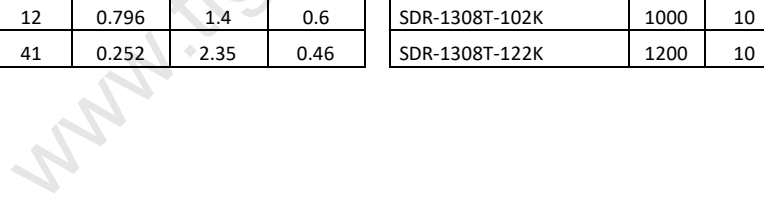
- Packaging: Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard
- Lower tolerances available

APPLICATIONS

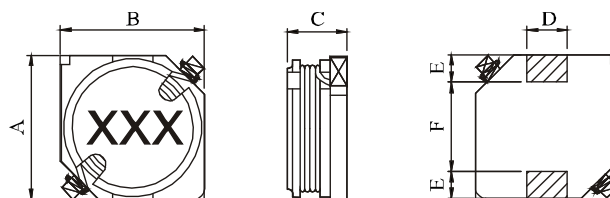
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

Part Number	L (μH)	Q Typ.	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR-1305T-2R5M	2.5	19	7.96	0.0098	7.2
SDR-1305T-3R5M	3.5	20	7.96	0.0105	6
SDR-1305T-4R6M	4.7	18	7.96	0.0165	5.2
SDR-1305T-6R8M	6.8	17	7.96	0.024	4.3
SDR-1305T-100M	10	35	2.52	0.037	3.6
SDR-1305T-150M	15	28	2.52	0.046	3.3
SDR-1305T-220M	22	27	2.52	0.062	2.9
SDR-1305T-330M	33	23	2.52	0.085	2.5
SDR-1305T-470M	47	24	2.52	0.13	1.9
SDR-1305T-680M	68	22	2.52	0.165	1.65
SDR-1305T-101K	100	20	0.796	0.255	1.4
SDR-1305T-151K	150	17	0.796	0.38	1.2
SDR-1305T-221K	220	16	0.796	0.5	1
SDR-1305T-331K	330	11	0.796	0.7	0.85
SDR-1305T-471K	470	14	0.796	1.15	0.67
SDR-1305T-681K	680	12	0.796	1.4	0.6
SDR-1305T-102K	1000	41	0.252	2.35	0.46

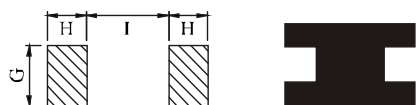
Part Number	L (μH)	Q Typ.	Test Freq. (KHz)	DCR Ohm max.	IDC max A
SDR-1308T-100M	10	20	2.52	0.036	4.05
SDR-1308T-150M	15	20	2.52	0.04	3.34
SDR-1308T-220M	22	20	2.52	0.06	2.8
SDR-1308T-330M	33	20	2.52	0.08	2.4
SDR-1308T-470M	47	20	2.52	0.11	2
SDR-1308T-560M	56	20	2.52	0.12	1.9
SDR-1308T-680M	68	20	2.52	0.15	1.8
SDR-1308T-820M	82	20	2.52	0.19	1.6
SDR-1308T-101K	100	15	0.796	0.23	1.5
SDR-1308T-121K	120	15	0.796	0.32	1.4
SDR-1308T-151K	150	15	0.796	0.37	1.3
SDR-1308T-221K	220	15	0.796	0.44	1
SDR-1308T-331K	330	15	0.796	0.6	0.9
SDR-1308T-471K	470	15	0.796	0.88	0.7
SDR-1308T-681K	680	10	0.796	1.18	0.5
SDR-1308T-102K	1000	10	0.252	1.74	0.48
SDR-1308T-122K	1200	10	0.252	1.92	0.38



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



Part Number	A	B	C	D	E	F	G	H	I
SDR-1305T	12.7 ± 0.3	12.7 ± 0.3	4.8 ± 0.5	3.0	2.0	8.6	3.60	2.6	8.4
SDR-1308T	12.7 ± 0.3	12.7 ± 0.3	8.5 ± 0.5	3.0	2.0	8.6	3.60	2.6	8.4