



POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS

SDR1305T-1308T SERIES

FEATURES:

- Ferrite Core 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, 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:

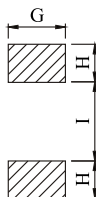
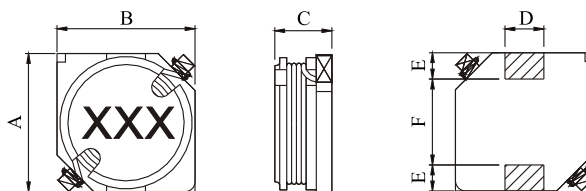
Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A	Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SDR-1305T-2R5M	2.5	19	7.96	0.0098	7.20	SDR-1308T-100M	10	20	2.52	0.036	4.050
SDR-1305T-3R5M	3.5	20	7.96	0.0105	6.00	SDR-1308T-150M	15	20	2.52	0.040	3.340
SDR-1305T-4R6M	4.7	18	7.96	0.0165	5.20	SDR-1308T-220M	22	20	2.52	0.060	2.800
SDR-1305T-6R8M	6.8	17	7.96	0.0240	4.30	SDR-1308T-330M	33	20	2.52	0.080	2.400
SDR-1305T-100M	10.0	35	2.52	0.0370	3.60	SDR-1308T-470M	47	20	2.52	0.110	2.000
SDR-1305T-150M	15.0	28	2.52	0.0460	3.30	SDR-1308T-560M	56	20	2.52	0.120	1.900
SDR-1305T-220M	22.0	27	2.52	0.0620	2.90	SDR-1308T-680M	68	20	2.52	0.150	1.800
SDR-1305T-330M	33.0	23	2.52	0.0850	2.50	SDR-1308T-820M	82	20	2.52	0.190	1.600
SDR-1305T-470M	47.0	24	2.52	0.1300	1.90	SDR-1308T-101K	100	15	0.796	0.230	1.500
SDR-1305T-680M	68.0	22	2.52	0.1650	1.65	SDR-1308T-121K	120	15	0.796	0.320	1.400
SDR-1305T-101K	100.0	20	0.796	0.2550	1.40	SDR-1308T-151K	150	15	0.796	0.370	1.300
SDR-1305T-151K	150.0	17	0.796	0.3800	1.20	SDR-1308T-221K	220	15	0.796	0.440	1.000
SDR-1305T-221K	220.0	16	0.796	0.5000	1.00	SDR-1308T-331K	330	15	0.796	0.600	0.900
SDR-1305T-331K	330.0	11	0.796	0.7000	0.85	SDR-1308T-471K	470	15	0.796	0.880	0.700
SDR-1305T-471K	470.0	14	0.796	1.1500	0.67	SDR-1308T-681K	680	10	0.796	1.180	0.500
SDR-1305T-681K	680.0	12	0.796	1.4000	0.60	SDR-1308T-102K	1000	10	0.252	1.740	0.480
SDR-1305T-102K	1000.0	41	0.252	2.3500	0.46	SDR-1308T-122K	1200	10	0.252	1.920	0.380

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.

CHARACTERISTICS:



CONSTRUCTION



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