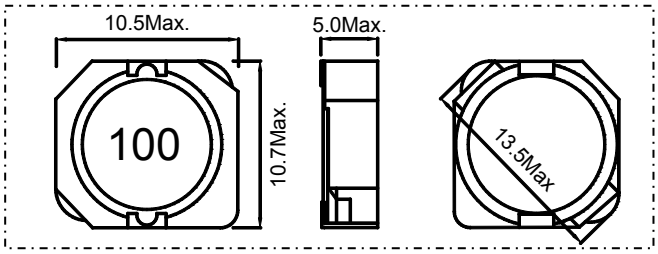
Power Inductor for Surface Mounting

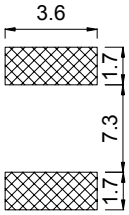
SDRH105R

Inductance Range：10μH~1000μH
Temperature Range：－40℃～＋105℃

DIMENSIONS(mm)

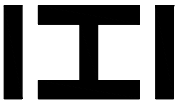


LAND PATTERNS(mm)



CONSTRUCTION

Shield



RoHS Compliant(SGS Certified Result)

Pb	Cd	Cr＋6	PBBs	PBDEs
＜1000ppm	ND	ND	ND	ND

FEATURES：

★Quantity / Reel:750pcs
★High current & low DCR, Quadrate10.7mm Max, Height 5.0mm Max.
★The use of carrier tape package for SMT reflow soldering process
★Widely use in DC-DC converter/LCD TV/Notebook/ PDA /Digital camera/DVD etc.
★Design to customer requirement

Electrical Characteristics：

Part Number	Test Condition	Inductance (μH)	Tolerance （%）	D.C.R(mΩ) Max.	Rated Current	
					Isat(A)	Irms(A)
SDRH105R-100M,N	100KHz/1.0V	10	±20,±30	25.8	3.45	4.50
SDRH105R-120M,N	100KHz/1.0V	12	±20,±30	32.0	3.40	3.80
SDRH105R-150M,N	100KHz/1.0V	15	±20,±30	40.0	2.83	3.70
SDRH105R-180M,N	100KHz/1.0V	18	±20,±30	46.0	2.62	3.10
SDRH105R-220M,N	100KHz/1.0V	22	±20,±30	58.5	2.44	3.00
SDRH105R-270M,N	100KHz/1.0V	27	±20,±30	65.4	2.24	2.60
SDRH105R-330M,N	100KHz/1.0V	33	±20,±30	81.4	1.88	2.50
SDRH105R-390M,N	100KHz/1.0V	39	±20,±30	103.1	1.70	2.25
SDRH105R-470M,N	100KHz/1.0V	47	±20,±30	122.1	1.56	2.20
SDRH105R-560M,N	100KHz/1.0V	56	±20,±30	144.8	1.39	1.90
SDRH105R-680M,N	100KHz/1.0V	68	±20,±30	193.0	1.36	1.60
SDRH105R-820M,N	100KHz/1.0V	82	±20,±30	219.4	1.20	1.50
SDRH105R-101M,N	100KHz/1.0V	100	±20,±30	247.0	1.09	1.35
SDRH105R-121M,N	100KHz/1.0V	120	±20,±30	298.4	1.00	1.20
SDRH105R-151M,N	100KHz/1.0V	150	±20,±30	355.1	0.91	1.15
SDRH105R-181M,N	100KHz/1.0V	180	±20,±30	394.3	0.84	1.10
SDRH105R-221M,N	100KHz/1.0V	220	±20,±30	483.8	0.75	1.00
SDRH105R-271M,N	100KHz/1.0V	270	±20,±30	632.5	0.68	0.80
SDRH105R-331M,N	100KHz/1.0V	330	±20,±30	780.0	0.60	0.75
SDRH105R-391M,N	100KHz/1.0V	390	±20,±30	957.5	0.57	0.70
SDRH105R-471M,N	100KHz/1.0V	470	±20,±30	1220.4	0.50	0.54
SDRH105R-561M,N	100KHz/1.0V	560	±20,±30	1352.4	0.47	0.52
SDRH105R-681M,N	100KHz/1.0V	680	±20,±30	1519.2	0.43	0.51
SDRH105R-821M,N	100KHz/1.0V	820	±20,±30	1694.4	0.39	0.48
SDRH105R-102M,N	100KHz/1.0V	1000	±20,±30	1946.4	0.35	0.42

1、Inductance is measured with a LCR meter:HP4284A & 3532-50 or equivalent.
2、D.C .R is measured with a Digital Multimeter TH2512B or equivalent.
3、The Isat is the current at which the inductance decreases by 35% from the initial value
4、The Irms by Stand-Type is the current at which the temperature rise is △T≤40℃，whichever（Ta=20℃）

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