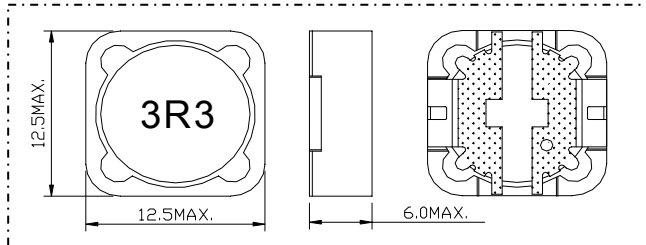


SDRH125B

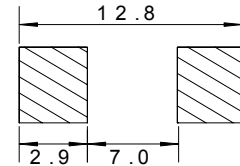
Inductance Range: 3.3 μ H~1000 μ H

Temperature Range: -40 $^{\circ}$ C~+105 $^{\circ}$ C

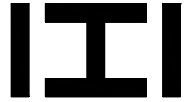
DIMENSIONS(mm)



LAND PATTERNS(mm) CONSTRUCTION



Shield



FEATURES:

- ★Quantity / Reel: 500pcs
- ★High current & low DCR, Quadrate12.5mm Max, Height 6.0mm 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

RoHS Compliant(SGS Certified Result)

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



Electrical Characteristics:

Part Number	Test Condition	Inductance (μ H)	Tolerance (%)	D.C.R(Ω) Max.	Isat1(A) @L-Drop10% (Max.)	Isat2(A) @L-Drop35% (Max.)	I rms(A) @ Δ T=40 $^{\circ}$ C (Max.)
SDRH125B-3R3M,N	100KHz/0.3V	3.3	$\pm$ 20, $\pm$ 30	15m	12.20	13.20	8.20
SDRH125B-3R9M,N	100KHz/0.3V	3.9	$\pm$ 20, $\pm$ 30	16m	11.00	12.20	7.80
SDRH125B-4R7M,N	100KHz/0.3V	4.7	$\pm$ 20, $\pm$ 30	17m	10.50	11.30	7.50
SDRH125B-5R6M,N	100KHz/0.3V	5.6	$\pm$ 20, $\pm$ 30	18m	9.40	10.00	6.70
SDRH125B-6R8M,N	100KHz/0.3V	6.8	$\pm$ 20, $\pm$ 30	20m	8.50	9.30	6.40
SDRH125B-8R2M,N	100KHz/0.3V	8.2	$\pm$ 20, $\pm$ 30	22m	7.50	8.40	6.10
SDRH125B-100M	1KHz/0.3V	10	$\pm$ 20	24m	7.00	8.00	5.75
SDRH125B-120M	1KHz/0.3V	12	$\pm$ 20	28m	6.60	7.50	5.30
SDRH125B-150M	1KHz/0.3V	15	$\pm$ 20	30m	6.00	6.60	5.00
SDRH125B-180M	1KHz/0.3V	18	$\pm$ 20	37m	5.40	6.00	4.70
SDRH125B-220M	1KHz/0.3V	22	$\pm$ 20	42m	4.80	5.50	4.40
SDRH125B-270M	1KHz/0.3V	27	$\pm$ 20	51m	4.50	5.00	4.00
SDRH125B-330M	1KHz/0.3V	33	$\pm$ 20	63m	4.00	4.50	3.63
SDRH125B-390M	1KHz/0.3V	39	$\pm$ 20	78m	3.50	4.00	3.20
SDRH125B-470M	1KHz/0.3V	47	$\pm$ 20	87m	3.30	3.60	3.00
SDRH125B-560M	1KHz/0.3V	56	$\pm$ 20	104m	3.00	3.30	2.70
SDRH125B-680M	1KHz/0.3V	68	$\pm$ 20	125m	2.75	3.00	2.50
SDRH125B-820M	1KHz/0.3V	82	$\pm$ 20	145m	2.40	2.70	2.20
SDRH125B-101M	1KHz/0.3V	100	$\pm$ 20	0.180	2.30	2.55	1.90
SDRH125B-121M	1KHz/0.3V	120	$\pm$ 20	0.210	2.00	2.30	1.70
SDRH125B-151M	1KHz/0.3V	150	$\pm$ 20	0.270	1.85	2.05	1.50
SDRH125B-181M	1KHz/0.3V	180	$\pm$ 20	0.310	1.65	1.85	1.35
SDRH125B-221M	1KHz/0.3V	220	$\pm$ 20	0.370	1.50	1.75	1.25
SDRH125B-271M	1KHz/0.3V	270	$\pm$ 20	0.470	1.38	1.58	1.10
SDRH125B-331M	1KHz/0.3V	330	$\pm$ 20	0.580	1.25	1.40	1.00
SDRH125B-391M	1KHz/0.3V	390	$\pm$ 20	0.680	1.15	1.30	0.92
SDRH125B-471M	1KHz/0.3V	470	$\pm$ 20	0.820	1.05	1.20	0.83
SDRH125B-561M	1KHz/0.3V	560	$\pm$ 20	0.960	0.98	1.08	0.76
SDRH125B-681M	1KHz/0.3V	680	$\pm$ 20	1.200	0.88	0.98	0.69
SDRH125B-821M	1KHz/0.3V	820	$\pm$ 20	1.400	0.78	0.88	0.64
SDRH125B-102M	1KHz/0.3V	1000	$\pm$ 20	1.940	0.68	0.78	0.56

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 Isat1 is the current at which the inductance decreases by 10% from the initial value
4. The Isat2 is the current at which the inductance decreases by 35% from the initial value
5. The I rms by Stand-Type is the current at which the temperature rise is Δ T $\leq$ 40 $^{\circ}$ C, whichever (Ta=20 $^{\circ}$ C)