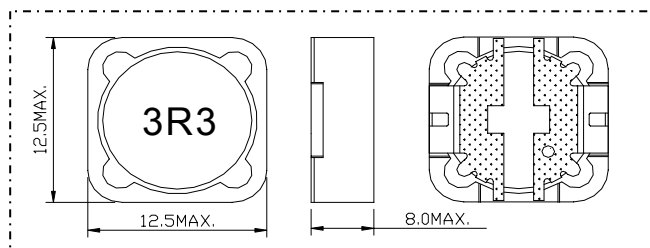


EDRH127B

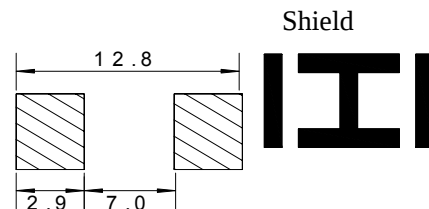
Inductance Range: 3.3 μ H~1000 μ H

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

DIMENSIONS(mm)



LAND PATTERNS(mm) CONSTRUCTION



FEATURES:

- ★Quantity / Reel: 500pcs
- ★High current & low DCR, Quadrate12.5mm Max, Height 8.0mm 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(m Ω) Max.	Isat1(A) @L-Drop10% (Max.)	Isat2(A) @L-Drop35% (Max.)	I rms(A) @ Δ T=40 $^{\circ}$ C (Max.)
EDRH127B-3R3M,N	100KHz/0.3V	3.3	$\pm$ 20, $\pm$ 30	10.00	18.00	19.00	9.60
EDRH127B-4R7M,N	100KHz/0.3V	4.7	$\pm$ 20, $\pm$ 30	13.00	14.50	16.60	8.20
EDRH127B-5R6M,N	100KHz/0.3V	5.6	$\pm$ 20, $\pm$ 30	15.50	13.50	15.00	7.60
EDRH127B-6R8M,N	100KHz/0.3V	6.8	$\pm$ 20, $\pm$ 30	16.80	12.70	13.50	7.35
EDRH127B-8R2M,N	100KHz/0.3V	8.2	$\pm$ 20, $\pm$ 30	19.00	11.30	12.50	6.50
EDRH127B-100M	1KHz/0.3V	10	$\pm$ 20	23.50	10.00	11.50	6.10
EDRH127B-120M	1KHz/0.3V	12	$\pm$ 20	25.00	9.50	10.50	5.50
EDRH127B-150M	1KHz/0.3V	15	$\pm$ 20	34.00	8.60	9.50	5.00
EDRH127B-180M	1KHz/0.3V	18	$\pm$ 20	38.00	7.80	8.60	4.80
EDRH127B-220M	1KHz/0.3V	22	$\pm$ 20	45.80	7.00	7.70	4.60
EDRH127B-270M	1KHz/0.3V	27	$\pm$ 20	52.50	6.35	7.00	4.20
EDRH127B-330M	1KHz/0.3V	33	$\pm$ 20	62.00	5.45	6.30	3.80
EDRH127B-390M	1KHz/0.3V	39	$\pm$ 20	72.00	5.30	6.00	3.50
EDRH127B-470M	1KHz/0.3V	47	$\pm$ 20	87.00	5.00	5.50	3.10
EDRH127B-560M	1KHz/0.3V	56	$\pm$ 20	110.00	4.50	5.00	2.90
EDRH127B-680M	1KHz/0.3V	68	$\pm$ 20	130.00	4.00	4.30	2.70
EDRH127B-820M	1KHz/0.3V	82	$\pm$ 20	148.00	3.60	4.00	2.50
EDRH127B-101M	1KHz/0.3V	100	$\pm$ 20	182.00	3.20	3.50	2.20
EDRH127B-121M	1KHz/0.3V	120	$\pm$ 20	204.00	3.10	3.40	2.00
EDRH127B-151M	1KHz/0.3V	150	$\pm$ 20	270.00	2.90	3.20	1.80
EDRH127B-181M	1KHz/0.3V	180	$\pm$ 20	340.00	2.50	2.80	1.60
EDRH127B-221M	1KHz/0.3V	220	$\pm$ 20	420.00	2.25	2.50	1.45
EDRH127B-271M	1KHz/0.3V	270	$\pm$ 20	480.00	2.00	2.30	1.30
EDRH127B-331M	1KHz/0.3V	330	$\pm$ 20	600.00	1.90	2.00	1.20
EDRH127B-391M	1KHz/0.3V	390	$\pm$ 20	670.00	1.70	1.90	1.10
EDRH127B-471M	1KHz/0.3V	470	$\pm$ 20	800.00	1.55	1.70	1.00
EDRH127B-561M	1KHz/0.3V	560	$\pm$ 20	1000.00	1.45	1.60	0.90
EDRH127B-681M	1KHz/0.3V	680	$\pm$ 20	1200.00	1.30	1.45	0.80
EDRH127B-821M	1KHz/0.3V	820	$\pm$ 20	1500.00	1.20	1.30	0.70
EDRH127B-102M	1KHz/0.3V	1000	$\pm$ 20	1820.00	1.09	1.20	0.60

- 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)