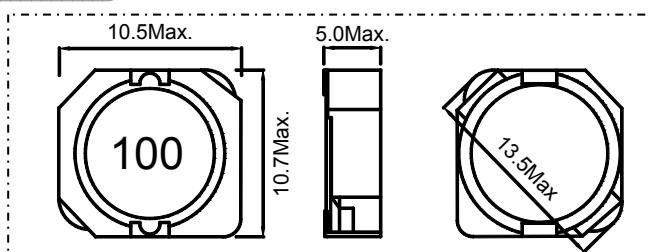


## EDRH105R

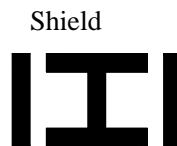
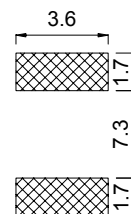
Inductance Range: 10 $\mu$ H~1000 $\mu$ H

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

### DIMENSIONS(mm)



LAND PATTERNS(mm) CONSTRUCTION



### 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

RoHS Compliant(SGS Certified Result)

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



### Electrical Characteristics:

Part Number	Test Condition	Inductance ( $\mu$ H)	Tolerance (%)	D.C.R(m $\Omega$ ) Max.	Rated Current	
					Isat(A)	Irms(A)
EDRH105R-100M,N	100KHz/1.0V	10	$\pm$ 20, $\pm$ 30	25.8	3.45	4.50
EDRH105R-120M,N	100KHz/1.0V	12	$\pm$ 20, $\pm$ 30	32.0	3.40	3.80
EDRH105R-150M,N	100KHz/1.0V	15	$\pm$ 20, $\pm$ 30	40.0	2.83	3.70
EDRH105R-180M,N	100KHz/1.0V	18	$\pm$ 20, $\pm$ 30	46.0	2.62	3.10
EDRH105R-220M,N	100KHz/1.0V	22	$\pm$ 20, $\pm$ 30	58.5	2.44	3.00
EDRH105R-270M,N	100KHz/1.0V	27	$\pm$ 20, $\pm$ 30	65.4	2.24	2.60
EDRH105R-330M,N	100KHz/1.0V	33	$\pm$ 20, $\pm$ 30	81.4	1.88	2.50
EDRH105R-390M,N	100KHz/1.0V	39	$\pm$ 20, $\pm$ 30	103.1	1.70	2.25
EDRH105R-470M,N	100KHz/1.0V	47	$\pm$ 20, $\pm$ 30	122.1	1.56	2.20
EDRH105R-560M,N	100KHz/1.0V	56	$\pm$ 20, $\pm$ 30	144.8	1.39	1.90
EDRH105R-680M,N	100KHz/1.0V	68	$\pm$ 20, $\pm$ 30	193.0	1.36	1.60
EDRH105R-820M,N	100KHz/1.0V	82	$\pm$ 20, $\pm$ 30	219.4	1.20	1.50
EDRH105R-101M,N	100KHz/1.0V	100	$\pm$ 20, $\pm$ 30	247.0	1.09	1.35
EDRH105R-121M,N	100KHz/1.0V	120	$\pm$ 20, $\pm$ 30	298.4	1.00	1.20
EDRH105R-151M,N	100KHz/1.0V	150	$\pm$ 20, $\pm$ 30	355.1	0.91	1.15
EDRH105R-181M,N	100KHz/1.0V	180	$\pm$ 20, $\pm$ 30	394.3	0.84	1.10
EDRH105R-221M,N	100KHz/1.0V	220	$\pm$ 20, $\pm$ 30	483.8	0.75	1.00
EDRH105R-271M,N	100KHz/1.0V	270	$\pm$ 20, $\pm$ 30	632.5	0.68	0.80
EDRH105R-331M,N	100KHz/1.0V	330	$\pm$ 20, $\pm$ 30	780.0	0.60	0.75
EDRH105R-391M,N	100KHz/1.0V	390	$\pm$ 20, $\pm$ 30	957.5	0.57	0.70
EDRH105R-471M,N	100KHz/1.0V	470	$\pm$ 20, $\pm$ 30	1220.4	0.50	0.54
EDRH105R-561M,N	100KHz/1.0V	560	$\pm$ 20, $\pm$ 30	1352.4	0.47	0.52
EDRH105R-681M,N	100KHz/1.0V	680	$\pm$ 20, $\pm$ 30	1519.2	0.43	0.51
EDRH105R-821M,N	100KHz/1.0V	820	$\pm$ 20, $\pm$ 30	1694.4	0.39	0.48
EDRH105R-102M,N	100KHz/1.0V	1000	$\pm$ 20, $\pm$ 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 I rms by Stand-Type is the current at which the temperature rise is  $\Delta T \leq 40^{\circ}C$ , whichever ( $T_a = 20^{\circ}C$ )