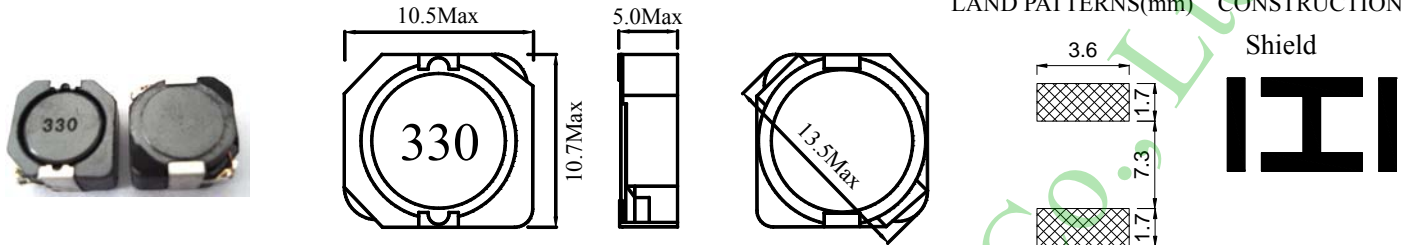


Inductance Range: 10 μ H~1000 μ H
Temperature Range: -40 $^{\circ}$ C~+125 $^{\circ}$ C

PDRH105R-Series

DIMENSIONS(mm)



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 (μ H)	Tolerance (%)	D.C.R(m Ω) Max.	Rated Current	
					Isat(A)	Irms(A)
PDRH105R-100M,N	100KHz/1.0V	10	\pm 20, \pm 30	25.8	3.45	4.50
PDRH105R-120M,N	100KHz/1.0V	12	\pm 20, \pm 30	32.0	3.40	3.80
PDRH105R-150M,N	100KHz/1.0V	15	\pm 20, \pm 30	40.0	2.83	3.70
PDRH105R-180M,N	100KHz/1.0V	18	\pm 20, \pm 30	46.0	2.62	3.10
PDRH105R-220M,N	100KHz/1.0V	22	\pm 20, \pm 30	58.5	2.44	3.00
PDRH105R-270M,N	100KHz/1.0V	27	\pm 20, \pm 30	65.4	2.24	2.60
PDRH105R-330M,N	100KHz/1.0V	33	\pm 20, \pm 30	81.4	1.88	2.50
PDRH105R-390M,N	100KHz/1.0V	39	\pm 20, \pm 30	103.1	1.70	2.25
PDRH105R-470M,N	100KHz/1.0V	47	\pm 20, \pm 30	122.1	1.56	2.20
PDRH105R-560M,N	100KHz/1.0V	56	\pm 20, \pm 30	144.8	1.39	1.90
PDRH105R-680M,N	100KHz/1.0V	68	\pm 20, \pm 30	193.0	1.36	1.60
PDRH105R-820M,N	100KHz/1.0V	82	\pm 20, \pm 30	219.4	1.20	1.50
PDRH105R-101M,N	100KHz/1.0V	100	\pm 20, \pm 30	247.0	1.09	1.35
PDRH105R-121M,N	100KHz/1.0V	120	\pm 20, \pm 30	298.4	1.00	1.20
PDRH105R-151M,N	100KHz/1.0V	150	\pm 20, \pm 30	355.1	0.91	1.15
PDRH105R-181M,N	100KHz/1.0V	180	\pm 20, \pm 30	394.3	0.84	1.10
PDRH105R-221M,N	100KHz/1.0V	220	\pm 20, \pm 30	483.8	0.75	1.00
PDRH105R-271M,N	100KHz/1.0V	270	\pm 20, \pm 30	632.5	0.68	0.80
PDRH105R-331M,N	100KHz/1.0V	330	\pm 20, \pm 30	780.0	0.60	0.75
PDRH105R-391M,N	100KHz/1.0V	390	\pm 20, \pm 30	957.5	0.57	0.70
PDRH105R-471M,N	100KHz/1.0V	470	\pm 20, \pm 30	1220.4	0.50	0.54
PDRH105R-561M,N	100KHz/1.0V	560	\pm 20, \pm 30	1352.4	0.47	0.52
PDRH105R-681M,N	100KHz/1.0V	680	\pm 20, \pm 30	1519.2	0.43	0.51
PDRH105R-821M,N	100KHz/1.0V	820	\pm 20, \pm 30	1694.4	0.39	0.48
PDRH105R-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 Irms by Stand-Type is the current at which the temperature rise is $\Delta T \leq 40^{\circ}$ C, whichever ($T_a = 20^{\circ}$ C)