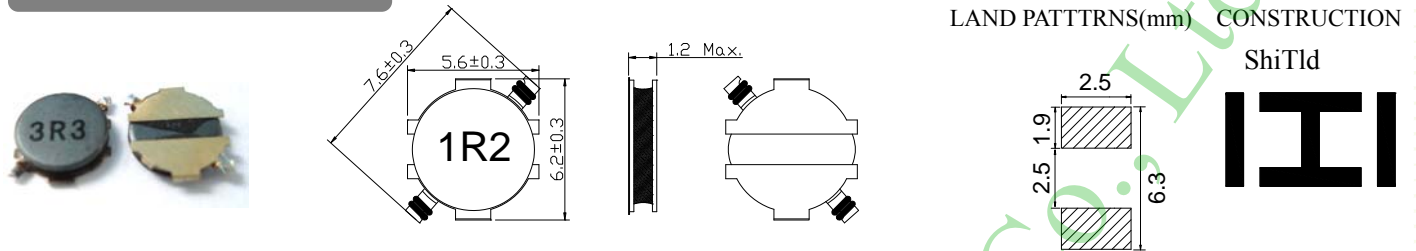


Inductance Range: 1.2 μ H~47 μ H
Temperature Range: -40 $^{\circ}$ C~+125 $^{\circ}$ C

PDH5412M-Series

DIMENSIONS(mm)



FEATURES:

- ★Quantity / Reel: 4000pcs
- ★Small products, Quadrate 5.9mm*6.5mm Max, Height 1.2mm Max.
- ★The use of carrier tape package for SMT reflow soldering process
- ★Widely use in DC-DC converter/LCD TV/Notebook/
PDA/MP3 & MP4 player/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.)
PDH5412M-1R2M	100KHz/0.1V	1.2	\pm 20	50.4	1.89	2.80	3.65
PDH5412M-2R2M	100KHz/0.1V	2.2	\pm 20	86	1.62	2.20	2.80
PDH5412M-3R3M	100KHz/0.1V	3.3	\pm 20	103	1.17	1.65	2.54
PDH5412M-4R7M	100KHz/0.1V	4.7	\pm 20	143	1.08	1.35	2.11
PDH5412M-6R8M	100KHz/0.1V	6.8	\pm 20	199	0.90	1.30	1.79
PDH5412M-100M	100KHz/0.1V	10	\pm 20	276	0.72	1.00	1.52
PDH5412M-150M	100KHz/0.1V	15	\pm 20	408	0.54	0.80	1.25
PDH5412M-220M	100KHz/0.1V	22	\pm 20	551	0.45	0.70	1.07
PDH5412M-330M	100KHz/0.1V	33	\pm 20	768	0.36	0.57	0.91
PDH5412M-470M	100KHz/0.1V	47	\pm 20	1709	0.32	0.50	0.72

- 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 Irms by Stand-Type is the current at which the temperature rise is Δ T \leq 40 $^{\circ}$ C, whichever (Ta=20 $^{\circ}$ C)