Power Inductor for Surface Mounting

EDRH103R

Inductance Range：10μH~150μH

Temperature Range：－40℃～＋105℃

DIMENSIONS(mm)

10.5Max.　3.0Max.

10.7Max.

100

13.5Max
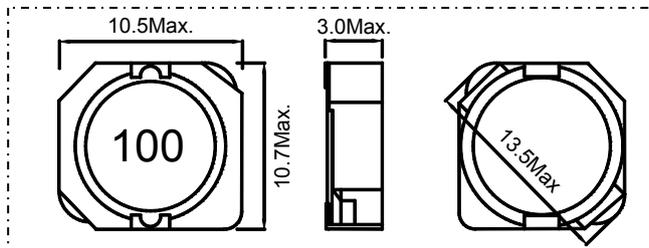
LAND PATTERNS(mm)　CONSTRUCTION

3.6

1.7　7.3　1.7

Shield

RoHS Compliant(SGS Certified Result)
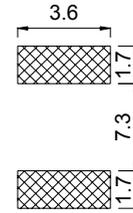
Pb	Cd	Cr＋6	PBBs	PBDEs
＜1000ppm	ND	ND	ND	ND

FEATURES：

★Quantity / Reel:1000pcs

★High current & low DCR, Quadrate10.7mm Max, Height 3.0mm 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

Electrical Characteristics：

Part Number	Test Condition	Inductance (μH)	Tolerance （%）	D.C.R(mΩ) Max.	Rated Current	
					Isat(A)	Irms(A)
EDRH103R-100M,N	100KHz/1.0V	10	±20,±30	58.1	2.70	2.80
EDRH103R-120M,N	100KHz/1.0V	12	±20,±30	72.1	2.25	2.10
EDRH103R-150M,N	100KHz/1.0V	15	±20,±30	86.5	2.22	2.05
EDRH103R-180M,N	100KHz/1.0V	18	±20,±30	116.1	1.90	1.80
EDRH103R-220M,N	100KHz/1.0V	22	±20,±30	145.4	1.78	1.60
EDRH103R-270M,N	100KHz/1.0V	27	±20,±30	175.9	1.63	1.50
EDRH103R-330M,N	100KHz/1.0V	33	±20,±30	213.4	1.46	1.35
EDRH103R-390M,N	100KHz/1.0V	39	±20,±30	268.9	1.32	1.25
EDRH103R-470M,N	100KHz/1.0V	47	±20,±30	298.6	1.18	1.20
EDRH103R-560M,N	100KHz/1.0V	56	±20,±30	335.8	1.10	1.15
EDRH103R-680M,N	100KHz/1.0V	68	±20,±30	451.3	1.04	0.98
EDRH103R-820M,N	100KHz/1.0V	82	±20,±30	513.8	0.94	0.80
EDRH103R-101M,N	100KHz/1.0V	100	±20,±30	700.0	0.84	0.70
EDRH103R-121M,N	100KHz/1.0V	120	±20,±30	765.0	0.76	0.65
EDRH103R-151M,N	100KHz/1.0V	150	±20,±30	876.3	0.70	0.51

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 25% from the initial value

4、The Irms by Stand-Type is the current at which the temperature rise is △T≤40℃，whichever（Ta=20℃）