Power Inductor for Surface Mounting

PDRH4D18-Serie

Inductance Range: 1.2μH~180μH
Temperature Range: －40℃～＋125℃

DIMENSIONS(mm)

5.0MAX 2.0MAX

270 5.0MAX 6.9MAX

LAND PATTERNS(mm) CONSTRUCTION
5.3 Shield
1.9 1.9 1.5

RoHS Compliant(SGS Certified Result)

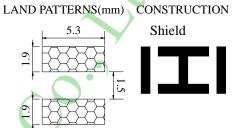| Pb	Cd	Cr＋6	PBBs	PBDEs
＜1000ppm	ND	ND	ND	ND

FEATURES：

★Quantity / Reel: 2000PCS

★Small products, Quadrate 5.0mm Max, Height 2.0 mm Type.

★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

Electrical Characteristics：

Part Number	Test Condition	Inductance (μH)	Tolerance （%）	D.C.R(Ω) Max.	Rated Current(A)
PDRH 4D18-1R2M,N	100KHz/0.1V	1.2	±20,±30	45m	1.72
PDRH4D18-2R2M,N	100KHz/0.1V	2.2	±20,±30	75m	1.32
PDRH4D18-3R9M,N	100KHz/0.1V	3.9	±20,±30	0.155	0.88
PDRH4D18-4R7M,N	100KHz/0.1V	4.7	±20,±30	0.162	0.84
PDRH4D18-5R6M,N	100KHz/0.1V	5.6	±20,±30	0.170	0.80
PDRH4D18-6R8M,N	100KHz/0.1V	6.8	±20,±30	0.200	0.76
PDRH4D18-8R2M,N	100KHz/0.1V	8.2	±20,±30	0.245	0.68
PDRH4D18-100M,N	100KHz/0.1V	10	±20,±30	0.200	0.61
PDRH4D18-120M,N	100KHz/0.1V	12	±20,±30	0.210	0.56
PDRH4D18-150M,N	100KHz/0.1V	15	±20,±30	0.240	0.50
PDRH4D18-180M,N	100KHz/0.1V	18	±20,±30	0.338	0.48
PDRH4D18-220M,N	100KHz/0.1V	22	±20,±30	0.397	0.41
PDRH4D18-270M,N	100KHz/0.1V	27	±20,±30	0.441	0.35
PDRH4D18-330M,N	100KHz/0.1V	33	±20,±30	0.694	0.32
PDRH4D18-390M,N	100KHz/0.1V	39	±20,±30	0.709	0.30
PDRH4D18-470M,N	100KHz/0.1V	47	±20,±30	0.922	0.28
PDRH4D18-560M,N	100KHz/0.1V	56	±20,±30	1.080	0.26
PDRH4D18-680M,N	100KHz/0.1V	68	±20,±30	1.300	0.24
PDRH4D18-820M,N	100KHz/0.1V	82	±20,±30	1.550	0.22
PDRH4D18-101M,N	100KHz/0.1V	100	±20,±30	1.730	0.20
PDRH4D18-121M,N	100KHz/0.1V	120	±20,±30	2.390	0.18
PDRH4D18-151M,N	100KHz/0.1V	150	±20,±30	2.670	0.15
PDRH4D18-181M,N	100KHz/0.1V	180	±20,±30	4.000	0.14

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、Rated Current：The rated current is the current at which the inductance decreases by 35% from the initial value or the temperature rise is
   △T＝40℃ ,whichever is smaller(Ta＝20℃).