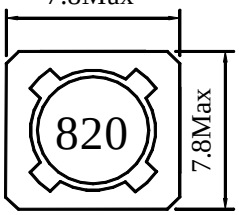
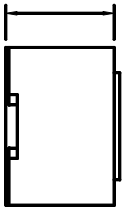
Power Inductor for Surface Mounting

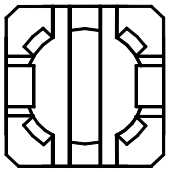
Inductance Range：1.8μH~1000μH
Temperature Range：－40℃～＋125℃

PDRH74-Series

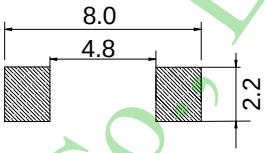
DIMENSIONS(mm)





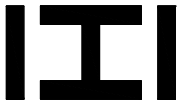


LAND PATTERNS(mm)



CONSTRUCTION

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, Quadrate7.8mm Max, Height 4.5mm 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(Ω) Max.	Rated Current(A)
PDRH74-1R8N	100KHz/0.3V	1.8	±30	18m	5.50
PDRH74-2R2M,N	100KHz/0.3V	2.2	±20,±30	18m	5.00
PDRH74-3R3M,N	100KHz/0.3V	2.2	±20,±30	30m	4.00
PDRH74-4R7M,N	100KHz/0.3V	4.7	±20,±30	44m	2.70
PDRH74-6R8M,N	100KHz/0.3V	6.8	±20,±30	46m	2.40
PDRH74-100M	1KHz/0.3V	10	±20	49m	1.84
PDRH74-120M	1KHz/0.3V	12	±20	58m	1.71
PDRH74-150M	1KHz/0.3V	15	±20	81m	1.47
PDRH74-180M	1KHz/0.3V	18	±20	91m	1.31
PDRH74-220M	1KHz/0.3V	22	±20	0.110	1.23
PDRH74-270M	1KHz/0.3V	27	±20	0.150	1.12
PDRH74-330M	1KHz/0.3V	33	±20	0.170	0.96
PDRH74-390M	1KHz/0.3V	39	±20	0.230	0.91
PDRH74-470M	1KHz/0.3V	47	±20	0.260	0.88
PDRH74-560M	1KHz/0.3V	56	±20	0.350	0.75
PDRH74-680M	1KHz/0.3V	68	±20	0.380	0.69
PDRH74-820M	1KHz/0.3V	82	±20	0.430	0.61
PDRH74-101M	1KHz/0.3V	100	±20	0.610	0.60
PDRH74-121M	1KHz/0.3V	120	±20	0.660	0.52
PDRH74-151M	1KHz/0.3V	150	±20	0.880	0.46
PDRH74-181M	1KHz/0.3V	180	±20	0.980	0.42
PDRH74-221M	1KHz/0.3V	220	±20	1.170	0.36
PDRH74-271M	1KHz/0.3V	270	±20	1.640	0.34
PDRH74-331M	1KHz/0.3V	330	±20	1.860	0.32
PDRH74-391M	1KHz/0.3V	390	±20	2.850	0.29
PDRH74-471M	1KHz/0.3V	470	±20	3.010	0.26
PDRH74-561M	1KHz/0.3V	560	±20	3.620	0.23
PDRH74-681M	1KHz/0.3V	680	±20	4.630	0.22
PDRH74-821M	1KHz/0.3V	820	±20	5.200	0.20
PDRH74-102M	1KHz/0.3V	1000	±20	6.000	0.18

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 25% from the initial value or the temperature rise is △T＝40℃ ,whichever is smaller(Ta＝20℃).