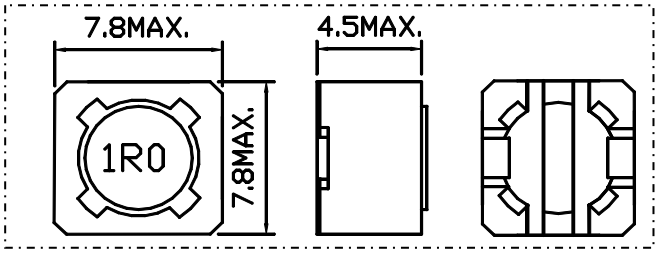
Power Inductor for Surface Mounting

EDRH74B

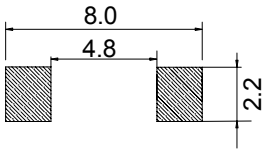
Inductance Range：1.0μH~1000μH

Temperature Range：－40℃～＋105℃

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.	Isat1(A) @L-Drop10% (Max.)	Isat2(A) @L-Drop35% (Max.)	I rms(A) @△T=40℃ (Max.)
EDRH74B-1R0M,N	100KHz/0.3V	1.0	±20,±30	13m	9.50	10.50	8.40
EDRH74B-1R8M,N	100KHz/0.3V	1.8	±20,±30	17m	7.70	8.60	6.40
EDRH74B-2R2M,N	100KHz/0.3V	2.2	±20,±30	19m	6.80	7.50	6.00
EDRH74B-3R3M,N	100KHz/0.3V	3.3	±20,±30	27m	6.00	6.50	6.40
EDRH74B-3R9M,N	100KHz/0.3V	3.9	±20,±30	30m	5.40	6.00	5.60
EDRH74B-4R7M,N	100KHz/0.3V	4.7	±20,±30	34m	5.00	5.50	5.60
EDRH74B-5R6M,N	100KHz/0.3V	5.6	±20,±30	42m	4.10	5.00	4.80
EDRH74B-6R8M,N	100KHz/0.3V	6.8	±20,±30	48m	3.80	4.50	4.80
EDRH74B-8R2M,N	100KHz/0.3V	8.2	±20,±30	58m	3.60	4.10	4.40
EDRH74B-100M	1KHz/0.3V	10	±20	67m	2.55	3.50	4.00
EDRH74B-150M	1KHz/0.3V	15	±20	95m	2.40	3.30	3.60
EDRH74B-180M	1KHz/0.3V	18	±20	117m	2.10	2.90	3.20
EDRH74B-220M	1KHz/0.3V	22	±20	136m	2.00	2.60	3.04
EDRH74B-270M	1KHz/0.3V	27	±20	147m	1.90	2.40	2.56
EDRH74B-330M	1KHz/0.3V	33	±20	182m	1.65	2.10	2.24
EDRH74B-390M	1KHz/0.3V	39	±20	196m	1.55	2.00	2.00
EDRH74B-470M	1KHz/0.3V	47	±20	0.240	1.50	1.82	2.00
EDRH74B-560M	1KHz/0.3V	56	±20	0.300	1.35	1.60	1.76
EDRH74B-680M	1KHz/0.3V	68	±20	0.350	1.25	1.50	1.76
EDRH74B-820M	1KHz/0.3V	82	±20	0.470	1.10	1.30	1.60
EDRH74B-101M	1KHz/0.3V	100	±20	0.590	1.00	1.18	1.28
EDRH74B-151M	1KHz/0.3V	150	±20	0.920	0.75	0.90	0.96
EDRH74B-181M	1KHz/0.3V	180	±20	1.030	0.74	0.86	0.96
EDRH74B-221M	1KHz/0.3V	220	±20	1.250	0.70	0.77	0.88
EDRH74B-271M	1KHz/0.3V	270	±20	1.560	0.63	0.70	0.80
EDRH74B-331M	1KHz/0.3V	330	±20	1.940	0.59	0.65	0.72
EDRH74B-391M	1KHz/0.3V	390	±20	2.500	0.50	0.59	0.57
EDRH74B-471M	1KHz/0.3V	470	±20	2.800	0.45	0.54	0.60
EDRH74B-561M	1KHz/0.3V	560	±20	3.600	0.42	0.50	0.56
EDRH74B-681M	1KHz/0.3V	680	±20	4.020	0.40	0.44	0.48
EDRH74B-821M	1KHz/0.3V	820	±20	4.560	0.35	0.40	0.44
EDRH74B-102M	1KHz/0.3V	1000	±20	6.050	0.28	0.35	0.38

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 △T≤40℃，whichever（Ta=20℃）