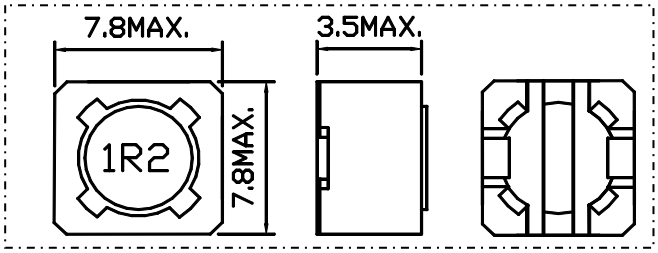
Power Inductor for Surface Mounting

EDRH73B

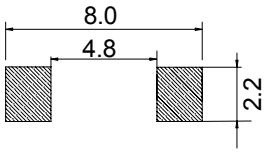
Inductance Range：1.2μH~1000μH

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 3.5mm 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.)
EDRH73B-1R2M,N	100KHz/0.3V	1.2	±20,±30	17.0m	9.50	10.50	6.20
EDRH73B-1R8M,N	100KHz/0.3V	1.8	±20,±30	22.0m	7.70	8.60	5.20
EDRH73B-2R2M,N	100KHz/0.3V	2.2	±20,±30	25.5m	6.40	7.00	5.10
EDRH73B-2R7M,N	100KHz/0.3V	2.7	±20,±30	28.0m	5.50	6.30	4.80
EDRH73B-3R3M,N	100KHz/0.3V	3.3	±20,±30	33.0m	5.20	6.00	4.50
EDRH73B-4R7M,N	100KHz/0.3V	4.7	±20,±30	39.0m	5.00	5.50	4.10
EDRH73B-5R6M,N	100KHz/0.3V	5.6	±20,±30	46.0m	4.30	5.00	3.85
EDRH73B-6R8M,N	100KHz/0.3V	6.8	±20,±30	57.0m	3.60	4.30	3.50
EDRH73B-8R2M,N	100KHz/0.3V	8.2	±20,±30	67.0m	3.45	4.00	3.20
EDRH73B-100M	1KHz/0.3V	10	±20	86.0m	3.00	3.60	2.90
EDRH73B-150M	1KHz/0.3V	15	±20	107.0m	2.50	2.90	2.55
EDRH73B-180M	1KHz/0.3V	18	±20	124.0m	2.20	2.60	2.35
EDRH73B-220M	1KHz/0.3V	22	±20	150.0m	2.10	2.50	2.20
EDRH73B-270M	1KHz/0.3V	27	±20	0.180	1.90	2.10	2.00
EDRH73B-330M	1KHz/0.3V	33	±20	0.210	1.70	2.00	1.85
EDRH73B-390M	1KHz/0.3V	39	±20	0.260	1.65	1.80	1.70
EDRH73B-470M	1KHz/0.3V	47	±20	0.310	1.60	1.75	1.50
EDRH73B-560M	1KHz/0.3V	56	±20	0.400	1.36	1.55	1.33
EDRH73B-680M	1KHz/0.3V	68	±20	0.470	1.27	1.40	1.20
EDRH73B-820M	1KHz/0.3V	82	±20	0.570	1.10	1.20	1.10
EDRH73B-101M	1KHz/0.3V	100	±20	0.710	1.00	1.13	1.00
EDRH73B-151M	1KHz/0.3V	150	±20	1.100	0.85	0.93	0.75
EDRH73B-181M	1KHz/0.3V	180	±20	1.320	0.77	0.87	0.68
EDRH73B-221M	1KHz/0.3V	220	±20	1.700	0.64	0.76	0.60
EDRH73B-271M	1KHz/0.3V	270	±20	2.000	0.63	0.70	0.55
EDRH73B-331M	1KHz/0.3V	330	±20	2.540	0.53	0.60	0.49
EDRH73B-391M	1KHz/0.3V	390	±20	2.850	0.50	0.56	0.45
EDRH73B-471M	1KHz/0.3V	470	±20	3.760	0.45	0.50	0.40
EDRH73B-561M	1KHz/0.3V	560	±20	4.150	0.40	0.46	0.38
EDRH73B-681M	1KHz/0.3V	680	±20	5.350	0.38	0.42	0.34
EDRH73B-821M	1KHz/0.3V	820	±20	6.120	0.33	0.38	0.31
EDRH73B-102M	1KHz/0.3V	1000	±20	8.160	0.27	0.34	0.27

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℃）