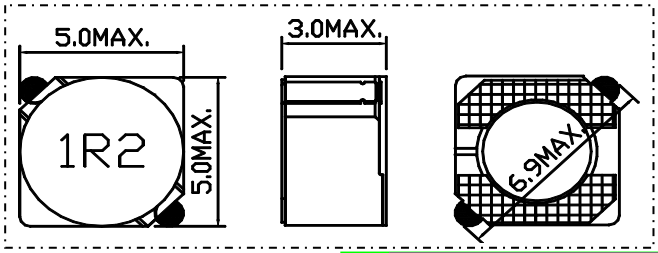
Power Inductor for Surface Mounting

EDRH4D28

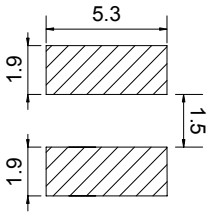
Inductance Range：1.2μH~330μH

Temperature Range：－40℃～＋105℃

DIMENSIONS(mm)

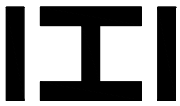


LAND PATTERNS(mm)



CONSTRUCTION

Shield



RoHS Compliant(SGS Certified Result)

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

FEATURES：

★Quantity / Reel: 2000pcs

★Small products, Quadrate5.0mm Max, Height 2.8mm Typ.

★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)
EDRH4D28-1R2M,N	100KHz/0.1V	1.2	±20,±30	24m	2.56
EDRH4D28-1R5M,N	100KHz/0.1V	1.5	±20,±30	28m	2.20
EDRH4D28-2R2M,N	100KHz/0.1V	2.2	±20,±30	31m	2.04
EDRH4D28-2R7M,N	100KHz/0.1V	2.7	±20,±30	43m	1.60
EDRH4D28-3R3M,N	100KHz/0.1V	3.3	±20,±30	49m	1.57
EDRH4D28-4R7M,N	100KHz/0.1V	4.7	±20,±30	72m	1.32
EDRH4D28-5R6M,N	100KHz/0.1V	5.6	±20,±30	101m	1.17
EDRH4D28-6R8M,N	100KHz/0.1V	6.8	±20,±30	109m	1.12
EDRH4D28-8R2M,N	100KHz/0.1V	8.2	±20,±30	118m	1.04
EDRH4D28-100M,N	100KHz/0.1V	10	±20,±30	128m	1.00
EDRH4D28-120M,N	100KHz/0.1V	12	±20,±30	132m	0.84
EDRH4D28-150M,N	100KHz/0.1V	15	±20,±30	149m	0.76
EDRH4D28-180M,N	100KHz/0.1V	18	±20,±30	166m	0.72
EDRH4D28-220M,N	100KHz/0.1V	22	±20,±30	235m	0.70
EDRH4D28-270M,N	100KHz/0.1V	27	±20,±30	261m	0.58
EDRH4D28-330M,N	100KHz/0.1V	33	±20,±30	378m	0.56
EDRH4D28-390M,N	100KHz/0.1V	39	±20,±30	384m	0.50
EDRH4D28-470M,N	100KHz/0.1V	47	±20,±30	587m	0.48
EDRH4D28-560M,N	100KHz/0.1V	56	±20,±30	624m	0.41
EDRH4D28-680M,N	100KHz/0.1V	68	±20,±30	699m	0.35
EDRH4D28-820M,N	100KHz/0.1V	82	±20,±30	915m	0.32
EDRH4D28-101M,N	100KHz/0.1V	100	±20,±30	1.020	0.29
EDRH4D28-121M,N	100KHz/0.1V	120	±20,±30	1.270	0.27
EDRH4D28-151M,N	100KHz/0.1V	150	±20,±30	1.350	0.24
EDRH4D28-181M,N	100KHz/0.1V	180	±20,±30	1.540	0.22
EDRH4D28-221M,N	100KHz/0.1V	220	±20,±30	1.720	0.20
EDRH4D28-271M,N	100KHz/0.1V	270	±20,±30	1.950	0.16
EDRH4D28-331M,N	100KHz/0.1V	330	±20,±30	2.660	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℃).