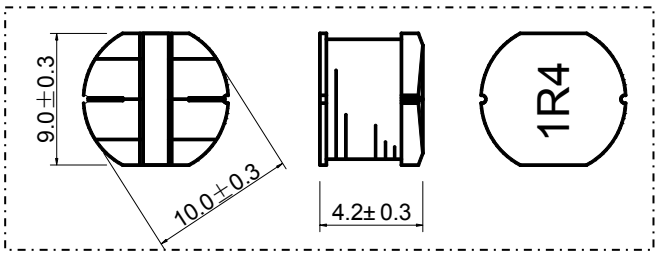
Power Inductor for Surface Mounting

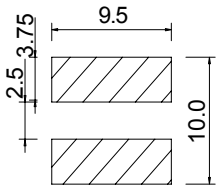
SD104

Inductance Range：1.4μH~560μH
Temperature Range：－40℃～＋105℃

DIMENSIONS(mm)



LAND PATTERNS(mm)



CONSTRUCTION

Unshield

RoHS Compliant(SGS Certified Result)

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

FEATURES：

★Quantity / Reel: 1000pcs
★High current & low DCR, Round 10.0mm, Height 4.0mm 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)
SD104-1R4M100KHz/0.3V1.4±2016m7.48					
SD104-1R8M	100KHz/0.3V	1.8	±20	18m	6.80
SD104-2R2M	100KHz/0.3V	2.2	±20	20m	5.40
SD104-2R7M	100KHz/0.3V	2.7	±20	24m	3.20
SD104-3R3M	100KHz/0.3V	3.3	±20	28m	2.85
SD104-3R9M	100KHz/0.3V	3.9	±20	30m	2.80
SD104-4R7M	100KHz/0.3V	4.7	±20	38m	2.75
SD104-5R6M	100KHz/0.3V	5.6	±20	40m	2.70
SD104-6R8M	100KHz/0.3V	6.8	±20	42m	2.65
SD104-8R2M	100KHz/0.3V	8.2	±20	48m	2.60
SD104-100K,M	1KHz/0.3V	10	±10,±20	50m	2.38
SD104-150K,M	1KHz/0.3V	15	±10,±20	70m	1.87
SD104-180K,M	1KHz/0.3V	18	±10,±20	80m	1.73
SD104-270K,M	1KHz/0.3V	27	±10,±20	100m	1.44
SD104-330K,M	1KHz/0.3V	33	±10,±20	120m	1.26
SD104-470K,M	1KHz/0.3V	47	±10,±20	170m	1.10
SD104-560K,M	1KHz/0.3V	56	±10,±20	200m	1.01
SD104-680K,M	1KHz/0.3V	68	±10,±20	220m	0.91
SD104-820K,M	1KHz/0.3V	82	±10,±20	0.250	0.85
SD104-101K,M	1KHz/0.3V	100	±10,±20	0.340	0.74
SD104-121K,M	1KHz/0.3V	120	±10,±20	0.400	0.69
SD104-151K,M	1KHz/0.3V	150	±10,±20	0.540	0.61
SD104-181K,M	1KHz/0.3V	180	±10,±20	0.620	0.56
SD104-221K,M	1KHz/0.3V	220	±10,±20	0.720	0.53
SD104-271K,M	1KHz/0.3V	270	±10,±20	0.950	0.45
SD104-331K,M	1KHz/0.3V	330	±10,±20	1.100	0.42
SD104-391K,M	1KHz/0.3V	390	±10,±20	1.240	0.38
SD104-471K,M	1KHz/0.3V	470	±10,±20	1.530	0.35
SD104-561K,M	1KHz/0.3V	560	±10,±20	1.900	0.32

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℃).

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