



FEATURES:

- * Quality/ reel: 500PCS
- * High rated current & low DCR, rotundity 10.0mm type (10.3mm Maximum)
Height 5.7mm MAX
- * Carrier tape packing, use for SMT
- * Suitable for reflow soldering
- * Widely used in DC-DC converter/ LCD TV/ Notebook/ PDA/ MP3
/ MP4 Player/ Digital camera/ Portable CDR-W etc.

Electrical Characteristics

电气特性

Model No. 部品名	Test Condition 测试条件	Inductance 电感	Tolerance 公差 (%)	DC Resutance 直流电阻 MAX(W)	Rate Current 额定电流(A)
SD105-1R2MC	100KHz,0.3V	1.2	±20	0.009	8.63
SD105-2R2MC	100KHz,0.3V	2.2	±20	0.016	7.2
SD105-3R3MC	100KHz,0.3V	3.3	±20	0.018	6.5
SD105-4R7MC	100KHz,0.3V	4.7	±20	0.02	5.5
SD105-6R8MC	100KHz,0.3V	6.8	±20	0.04	4.5
SD105-100MC	1KHz,0.3V	10	±20	0.06	2.6
SD105-150MC	1KHz,0.3V	15	±20	0.07	1.72
SD105-180MC	1KHz,0.3V	18	±20	0.08	1.58
SD105-220MC	1KHz,0.3V	22	±20	0.09	1.42
SD105-270MC	1KHz,0.3V	27	±20	0.1	1.32
SD105-330MC	1KHz,0.3V	33	±20	0.11	1.16
SD105-390MC	1KHz,0.3V	39	±20	0.12	1.1
SD105-470MC	1KHz,0.3V	47	±20	0.14	1
SD105-560MC	1KHz,0.3V	56	±20	0.19	0.93
SD105-680MC	1KHz,0.3V	68	±20	0.21	0.85
SD105-820MC	1KHz,0.3V	82	±20	0.28	0.79
SD105-101MC	1KHz,0.3V	100	±20	0.34	0.72
SD105-121MC	1KHz,0.3V	120	±20	0.37	0.63
SD105-151MC	1KHz,0.3V	150	±20	0.51	0.55
SD105-181MC	1KHz,0.3V	180	±20	0.57	0.5
SD105-221MC	1KHz,0.3V	220	±20	0.78	0.47
SD105-271MC	1KHz,0.3V	270	±20	0.87	0.41
SD105-331MC	1KHz,0.3V	330	±20	1.2	0.37
SD105-471MC	1KHz,0.3V	470	±20	1.5	0.33
SD105-561MC	1KHz,0.3V	560	±20	1.9	0.3
SD105-681MC	1KHz,0.3V	680	±20	2.25	0.28
SD105-821MC	1KHz,0.3V	820	±20	2.55	0.24

特长:

- * 数量/ 卷: 500PCS
- * 耐大电流, 低直流抵抗, 圆形 10.0mm (10.3mm MAX)
高度 5.7mm TYP.
- * 使用载带包装运用于 SMT.
- * 适用于回流焊 SMT 工艺.
- * 广泛应用于降压转换器, 液晶显示, 笔记本电脑, 个人掌上记事本, MP3/ MP4 播放器, 数码相机, 便携式光碟机等。

Inductance Range/ 电感范围: 1.2- 820 mH

Temperature Range/ 使用温度: -30- 100°C

RoHS Compliant SGS Certified Result					
Pb	Cd	Hg	Cr+6	PBBs	PBDEs
<1000ppm	Nd	Nd	Nd	Nd	Nd

- (1) Inductance is measured with a LCR meter:
HP4284-A (Agilent)/ 3532-50 (HIOKI) or equivalent.
Test frequency at 100kHz/ 1 KHz.
 - (2) DC resistance is measured with a Digital Multimeter
TH2512B (TongHui) or equivalent.
 - (3) The DC Bias Test with TH2817 & TH1775 (Tong Hui)
The maximum allowable current is a DC current which causes initial inductance to decrease by 25%, or temperature to rise by 40, whichever is smaller.
(At ambient reference temperature: 20°C)
- (1) 电感直测试仪: HP4284A (Agilent)/ 3532-50 (HIOKI)或同等 LCR METER. 测试频率 100KHz/1KHz.
 - (2) 直流电阻测试仪: TH2512B 或同等的 DCR 测试设备.
 - (3) 最大容许电流测试: TH2817 & TH1775; 最大容许电流定义: 电感下降 25%或温度上升 40 时取其小值作为最大容许电流. (周围环境温度 20°C)