



FEATURES:

- * Quality/ reel: 2,000PCS
- * Small product, rotundity 5.8mm type (6.1mm Maximum) Height 3.0mm TYP.
- * 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)
SD53-1R0MC	100KHz,0.3V	1	±20	0.038	4.5
SD53-2R2MC	100KHz,0.3V	2.2	±20	0.045	3.5
SD53-3R3MC	100KHz,0.3V	3.3	±20	0.055	2.8
SD53-3R9MC	100KHz,0.3V	3.9	±20	0.064	2.6
SD53-4R7MC	100KHz,0.3V	4.7	±20	0.072	2.5
SD53-5R6MC	100KHz,0.3V	5.6	±20	0.084	2.4
SD53-6R8MC	100KHz,0.3V	6.8	±20	0.09	2.2
SD53-8R2MC	100KHz,0.3V	8.2	±20	0.1	2
SD53-100MC	1KHz,0.3V	10	±20	0.12	1.8
SD53-120MC	1KHz,0.3V	12	±20	0.13	1.75
SD53-150MC	1KHz,0.3V	15	±20	0.15	1.7
SD53-180MC	1KHz,0.3V	18	±20	0.18	1.6
SD53-220MC	1KHz,0.3V	22	±20	0.22	1.5
SD53-270MC	1KHz,0.3V	27	±20	0.24	1.4
SD53-330MC	1KHz,0.3V	33	±20	0.3	1.1
SD53-390MC	1KHz,0.3V	39	±20	0.4	1
SD53-470MC	1KHz,0.3V	47	±20	0.43	0.9
SD53-560MC	1KHz,0.3V	56	±20	0.5	0.85
SD53-680MC	1KHz,0.3V	68	±20	0.6	0.8
SD53-820MC	1KHz,0.3V	82	±20	0.8	0.65
SD53-101MC	1KHz,0.3V	100	±20	0.9	0.6
SD53-121MC	1KHz,0.3V	120	±20	1	0.58
SD53-151MC	1KHz,0.3V	150	±20	1.3	0.43
SD53-181MC	1KHz,0.3V	180	±20	1.5	0.41
SD53-221MC	1KHz,0.3V	220	±20	2	0.38
SD53-271MC	1KHz,0.3V	270	±20	2.5	0.35
SD53-331MC	1KHz,0.3V	330	±20	3.2	0.28

特长:

- * 数量/ 卷: 2,000PCS
- * 产品小型化, 圆形 5.8mm (6.1mm MAX) 高度 3.0mm 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: 1.0- 330 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

- Inductance is measured with a LCR meter:
HP4284-A (Agilent)/ 3532-50 (HIOKI) or equivalent.
Test frequency at 100kHz/ 1 KHz.
 - DC resistance is measured with a Digital Multimeter
TH2512B (TongHui) or equivalent.
 - 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)
- 电感直测试仪: HP4284A (Agilent)/ 3532-50 (HIOKI)或同等 LCR METER. 测试频率 100KHz/1KHz.
 - 直流电阻测试仪: TH2512B 或同等的 DCR 测试设备.
 - 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)