



FEATURES:

- * Quality/ reel: 2,500PCS
- * Small product, rotundity 5.8mm type (6.1mm Maximum) Height 2.0mm 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)
SD52C-1R0MC	100KHz,0.3V	1.0	±20	0.05	4.20
SD52C-2R2MC	100KHz,0.3V	2.2	±20	0.08	3.20
SD52C-3R3MC	100KHz,0.3V	3.3	±20	0.12	2.40
SD52C-3R9MC	100KHz,0.3V	3.9	±20	0.14	2.00
SD52C-4R7MC	100KHz,0.3V	4.7	±20	0.15	1.80
SD52C-5R6MC	100KHz,0.3V	5.6	±20	0.16	1.50
SD52C-6R8MC	100KHz,0.3V	6.8	±20	0.17	1.40
SD52C-8R2MC	100KHz,0.3V	8.2	±20	0.20	1.30
SD52C-100MC	1KHZ,0.3V	10	±20	0.23	1.10
SD52C-120MC	1KHZ,0.3V	12	±20	0.25	1.05
SD52C-150MC	1KHZ,0.3V	15	±20	0.30	1.00
SD52C-180MC	1KHZ,0.3V	18	±20	0.35	0.90
SD52C-220MC	1KHZ,0.3V	22	±20	0.40	0.85
SD52C-270MC	1KHZ,0.3V	27	±20	0.50	0.75
SD52C-330MC	1KHZ,0.3V	33	±20	0.55	0.70
SD52C-390MC	1KHZ,0.3V	39	±20	0.65	0.60
SD52C-470MC	1KHZ,0.3V	47	±20	0.75	0.55
SD52C-560MC	1KHZ,0.3V	56	±20	0.95	0.50
SD52C-680MC	1KHZ,0.3V	68	±20	1.20	0.45
SD52C-820MC	1KHZ,0.3V	82	±20	1.40	0.40
SD52C-101MC	1KHZ,0.3V	100	±20	1.75	0.35
SD52C-121MC	1KHZ,0.3V	120	±20	2.00	0.25
SD52C-151MC	1KHZ,0.3V	150	±20	2.60	0.22
SD52C-181MC	1KHZ,0.3V	180	±20	3.70	0.18
SD52C-221MC	1KHZ,0.3V	220	±20	4.00	0.19
SD52C-271MC	1KHZ,0.3V	270	±20	4.20	0.20

特长:

- * 数量/ 卷: 2,500PCS
- * 产品小型化, 圆形 5.8mm (6.1mm MAX) 高度 2.0mm 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, 便携式光碟机等等.

Inductance Range/ 电感范围: 1.0- 270 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)