



FEATURES:

- * Quality/ reel: 3,000PCS
- * Small product, rotundity 3.5mm type (3.65mm Maximum) Height 1.6mm 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)
SD31B-1R0MC	100KHz,0.3V	1.0	±20	0.048	1.600
SD31B-1R5MC	100KHz,0.3V	1.5	±20	0.100	1.550
SD31B-2R2MC	100KHz,0.3V	2.2	±20	0.078	1.470
SD31B-3R3MC	100KHz,0.3V	3.3	±20	0.128	1.340
SD31B-3R9MC	100KHz,0.3V	3.9	±20	0.140	1.240
SD31B-4R7MC	100KHz,0.3V	4.7	±20	0.158	1.220
SD31B-5R6MC	100KHz,0.3V	5.6	±20	0.186	1.090
SD31B-6R8MC	100KHz,0.3V	6.8	±20	0.213	0.960
SD31B-8R2MC	100KHz,0.3V	8.2	±20	0.238	0.840
SD31B-100MC	1KHZ,0.3V	10.0	±20	0.307	0.700
SD31B-120MC	1KHZ,0.3V	12.0	±20	0.372	0.650
SD31B-150MC	1KHZ,0.3V	15.0	±20	0.466	0.590
SD31B-180MC	1KHZ,0.3V	18.0	±20	0.515	0.540
SD31B-220MC	1KHZ,0.3V	22.0	±20	0.656	0.480
SD31B-270MC	1KHZ,0.3V	27.0	±20	0.774	0.430
SD31B-330MC	1KHZ,0.3V	33.0	±20	1.021	0.370
SD31B-360MC	1KHZ,0.3V	39.0	±20	1.122	0.320
SD31B-470MC	1KHZ,0.3V	47.0	±20	1.509	0.260
SD31B-560MC	1KHZ,0.3V	56.0	±20	1.675	0.240
SD31B-680MC	1KHZ,0.3V	68.0	±20	1.919	0.230
SD31B-820MC	1KHZ,0.3V	82.0	±20	2.644	0.210
SD31B-101MC	1KHZ,0.3V	100.0	±20	2.870	0.190
SD31B-121MC	1KHZ,0.3V	120.0	+20	4.080	0.170
SD31B-151MC	1KHZ,0.3V	150.0	+20	4.774	0.160
SD31B-181MC	1KHZ,0.3V	180.0	+20	5.699	0.140

特长:

- * 数量/ 卷: 3,000PCS
- * 产品小型化, 圆形 3.5mm (3.65mm MAX) 高度 1.6mm 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- 180mH

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°C, 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°C 时取其小值作为最大容许电流. (周围环境温度 20°C)