



## FEATURES:

- \* Quality/ reel: 2,500PCS
- \* Small product, rotundity 3.5mm type (3.8mm Maximum) Height 2.1mm 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.<br>部品名 | Test Condition<br>测试条件 | Inductance<br>电感 | Tolerance<br>公差 (%) | DC Resutance<br>直流电阻 MAX(W) | Rate Current<br>额定电流(A) |
|------------------|------------------------|------------------|---------------------|-----------------------------|-------------------------|
| SD32-1R0MC       | 100KHz,0.3V            | 1.0              | ±20                 | 0.035                       | 3.34                    |
| SD32-2R2MC       | 100KHz,0.3V            | 2.2              | ±20                 | 0.059                       | 2.35                    |
| SD32-3R3MC       | 100KHz,0.3V            | 3.3              | ±20                 | 0.098                       | 1.83                    |
| SD32-4R7MC       | 100KHz,0.3V            | 4.7              | ±20                 | 0.137                       | 1.50                    |
| SD32-5R6MC       | 100KHz,0.3V            | 5.6              | ±20                 | 0.157                       | 1.36                    |
| SD32-6R8MC       | 100KHz,0.3V            | 6.8              | ±20                 | 0.196                       | 1.22                    |
| SD32-8R2MC       | 100KHz,0.3V            | 8.2              | ±20                 | 0.230                       | 1.09                    |
| SD32-100MC       | 1KHZ,0.3V              | 10.0             | ±20                 | 0.286                       | 0.95                    |
| SD32-120MC       | 1KHZ,0.3V              | 12.0             | ±20                 | 0.322                       | 0.88                    |
| SD32-150MC       | 1KHZ,0.3V              | 15.0             | ±20                 | 0.398                       | 0.82                    |
| SD32-180MC       | 1KHZ,0.3V              | 18.0             | ±20                 | 0.520                       | 0.76                    |
| SD32-220MC       | 1KHZ,0.3V              | 22.0             | ±20                 | 0.660                       | 0.63                    |
| SD32-270MC       | 1KHZ,0.3V              | 27.0             | ±20                 | 0.760                       | 0.62                    |
| SD32-330MC       | 1KHZ,0.3V              | 33.0             | ±20                 | 0.870                       | 0.56                    |
| SD32-390MC       | 1KHZ,0.3V              | 39.0             | ±20                 | 1.100                       | 0.51                    |
| SD32-470MC       | 1KHZ,0.3V              | 47.0             | ±20                 | 1.125                       | 0.47                    |
| SD32-560MC       | 1KHZ,0.3V              | 56.0             | ±20                 | 1.590                       | 0.42                    |
| SD32-680MC       | 1KHZ,0.3V              | 68.0             | ±20                 | 1.820                       | 0.38                    |
| SD32-820MC       | 1KHZ,0.3V              | 82.0             | ±20                 | 2.440                       | 0.34                    |
| SD32-101MC       | 1KHZ,0.3V              | 100.0            | ±20                 | 2.840                       | 0.31                    |
| SD32-121MC       | 1KHZ,0.3V              | 120.0            | ±20                 | 3.190                       | 0.28                    |
| SD32-151MC       | 1KHZ,0.3V              | 150.0            | ±20                 | 4.200                       | 0.16                    |
| SD32-181MC       | 1KHZ,0.3V              | 180.0            | ±20                 | 5.110                       | 0.15                    |
| SD32-221MC       | 1KHZ,0.3V              | 220.0            | ±20                 | 7.310                       | 0.14                    |
| SD32-271MC       | 1KHZ,0.3V              | 270.0            | ±20                 | 8.240                       | 0.12                    |
| SD32-331MC       | 1KHZ,0.3V              | 330.0            | ±20                 | 10.190                      | 0.10                    |

## 特长:

- \* 数量/ 卷: 2,500PCS
- \* 产品小型化, 圆形 3.5mm (3.8mm MAX) 高度 2.1mm 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, 液精显示, 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- 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    |

- (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)