



## FEATURES:

- \* Quality/ reel: 2,500PCS
- \* Small product, quadrate 3.5mm\*3.0mm Height 2.5mm 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)
SDS2520-1R0MC	100KHz,0.3V	1.0	±20	0.50	0.445
SDS2520-1R5MC	100KHz,0.3V	1.5	±20	0.60	0.400
SDS2520-1R8MC	100KHz,0.3V	1.8	±20	0.70	0.390
SDS2520-2R2MC	100KHz,0.3V	2.2	±20	0.80	0.370
SDS2520-2R7MC	100KHz,0.3V	2.7	±20	0.90	0.320
SDS2520-3R3MC	100KHz,0.3V	3.3	±20	1.00	0.300
SDS2520-4R7MC	100KHz,0.3V	4.7	±20	1.20	0.270
SDS2520-5R6MC	100KHz,0.3V	5.6	±20	1.30	0.250
SDS2520-6R8MC	100KHz,0.3V	6.8	±20	1.50	0.240
SDS2520-8R2MC	100KHz,0.3V	8.2	±20	1.60	0.255
SDS2520-100MC	100KHz,0.3V	10.0	±20	1.80	0.190
SDS2520-150MC	100KHz,0.3V	15.0	±20	2.20	0.170
SDS2520-180MC	100KHz,0.3V	18.0	±20	2.50	0.160
SDS2520-220MC	100KHz,0.3V	22.0	±20	2.80	0.150
SDS2520-270MC	100KHz,0.3V	27.0	±20	3.10	0.125
SDS2520-330MC	100KHz,0.3V	33.0	±20	3.50	0.115
SDS2520-390MC	1KHZ,0.3V	39.0	±20	3.90	0.110
SDS2520-470MC	1KHZ,0.3V	47.0	±20	4.30	0.100
SDS2520-560MC	1KHZ,0.3V	56.0	±20	4.90	0.085
SDS2520-680MC	1KHZ,0.3V	68.0	±20	5.50	0.080
SDS2520-820MC	1KHZ,0.3V	82.0	±20	6.20	0.080
SDS2520-101MC	1KHZ,0.3V	100.0	±20	7.00	0.080
SDS2520-121MC	1KHZ,0.3V	120.0	±20	8.00	0.075
SDS2520-151MC	1KHZ,0.3V	150.0	±20	9.30	0.070
SDS2520-181MC	1KHZ,0.3V	180.0	±20	10.20	0.065
SDS2520-221MC	1KHZ,0.3V	220.0	±20	11.80	0.065

## 特长:

- \* 数量/ 卷: 2,500PCS
- \* 产品小型化, 方形 3.5mm\* 3.0mm 高度 2.5mm MAX
- \* 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- 220m H

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)