



## FEATURES:

- \* Quality/ reel: 2,500PCS
- \* Small product, quadrate 3.5mm\*2.0mm Height 2.2mm 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)
SDS1618-1R0MC	100KHz,0.3V	1.0	±20	0.49	0.175
SDS1618-1R5MC	100KHz,0.3V	1.5	±20	0.52	0.155
SDS1618-1R8MC	100KHz,0.3V	1.8	±20	0.53	0.150
SDS1618-2R2MC	100KHz,0.3V	2.2	±20	0.54	0.140
SDS1618-2R7MC	100KHz,0.3V	2.7	±20	0.55	0.135
SDS1618-3R3MC	100KHz,0.3V	3.3	±20	0.61	0.130
SDS1618-4R7MC	100KHz,0.3V	4.7	±20	1.7	0.120
SDS1618-5R6MC	100KHz,0.3V	5.6	±20	1.8	0.115
SDS1618-6R8MC	100KHz,0.3V	6.8	±20	2	0.110
SDS1618-8R2MC	100KHz,0.3V	8.2	±20	2.2	0.105
SDS1618-100MC	1KHZ,0.3V	10	±20	2.5	0.100
SDS1618-150MC	1KHZ,0.3V	15	±20	2.9	0.090
SDS1618-180MC	1KHZ,0.3V	18	±20	3	0.085
SDS1618-220MC	1KHZ,0.3V	22	±20	3.1	0.085
SDS1618-270MC	1KHZ,0.3V	27	±20	3.4	0.085
SDS1618-330MC	1KHZ,0.3V	33	±20	3.8	0.080
SDS1618-390MC	1KHZ,0.3V	39	±20	4.5	0.075
SDS1618-470MC	1KHZ,0.3V	47	±20	6.3	0.075
SDS1618-560MC	1KHZ,0.3V	56	±20	7.1	0.055
SDS1618-680MC	1KHZ,0.3V	68	±20	7.9	0.050
SDS1618-820MC	1KHZ,0.3V	82	±20	8.7	0.045
SDS1618-101MC	1KHZ,0.3V	100	±20	11.57	0.045
SDS1618-121MC	1KHZ,0.3V	120	±20	14.2	0.020
SDS1618-151MC	1KHZ,0.3V	150	±20	15.03	0.015
SDS1618-181MC	1KHZ,0.3V	180	±20	16.6	0.013
SDS1618-221MC	1KHZ,0.3V	220	±20	26.46	0.012

## 特长:

- \* 数量/ 卷: 2,500PCS
- \* 产品小型化, 方形 3.5mm\* 2.0mm 高度 2.2mm 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: 1.5- 22 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°C, whichever is smaller.  
(At ambient reference temperature: 20°C)

- (1) 电感直测测试仪: 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)