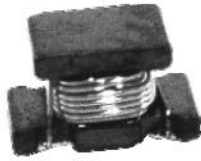
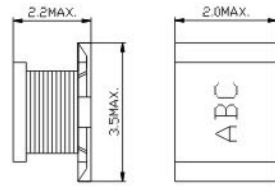


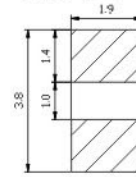
**SDS1618**



**Dimensions 外形尺寸图(mm)**



**Land patterns 贴装尺寸(mm)**



**Construction/磁气构造图 Unshield/开磁**



**FEATURES:**

- ▶ Quantity/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 use 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(μH)	Tolerance 公差(%)	DC resistance 直流电阻 MAX(Ω)	Rated 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	1.70	0.120
SDS1618-5R6MC	100KHz,0.3V	5.6	±20	1.80	0.115
SDS1618-6R8MC	100KHz,0.3V	6.8	±20	2.00	0.110
SDS1618-8R2MC	100KHz,0.3V	8.2	±20	2.20	0.105
SDS1618-100MC	1KHz,0.3V	10	±20	2.50	0.100
SDS1618-150MC	1KHz,0.3V	15	±20	2.90	0.090
SDS1618-180MC	1KHz,0.3V	18	±20	3.00	0.085
SDS1618-220MC	1KHz,0.3V	22	±20	3.10	0.085
SDS1618-270MC	1KHz,0.3V	27	±20	3.40	0.085
SDS1618-330MC	1KHz,0.3V	33	±20	3.80	0.080
SDS1618-390MC	1KHz,0.3V	39	±20	4.50	0.075
SDS1618-470MC	1KHz,0.3V	47	±20	6.30	0.075
SDS1618-560MC	1KHz,0.3V	56	±20	7.10	0.055
SDS1618-680MC	1KHz,0.3V	68	±20	7.90	0.050
SDS1618-820MC	1KHz,0.3V	82	±20	8.70	0.045
SDS1618-101MC	1KHz,0.3V	100	±20	11.57	0.045
SDS1618-121MC	1KHz,0.3V	120	±20	14.20	0.020
SDS1618-151MC	1KHz,0.3V	150	±20	15.03	0.015
SDS1618-181MC	1KHz,0.3V	180	±20	16.60	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.
- ▶ 广泛应用于升降压转换器、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。

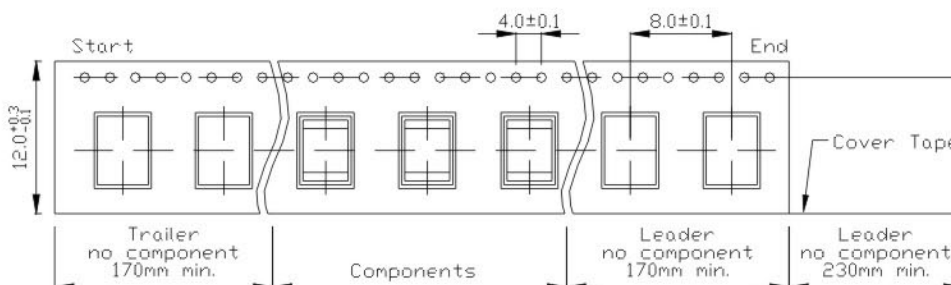
**Inductance Range/电感范围: 1.0~220 μH**  
**Temperature Range/使用温度: -30~100°C**

RoHS Compliant(SGS Certified Result) 本产品满足环境保护要求(有害物质限用)					
Pb 铅	Cd 镉	Hg 汞	六价铬 Cr <sup>6+</sup>	多溴联苯 PBBs	多溴联苯醚 PBDEs
<1000ppm	Nd	Nd	Nd	Nd	Nd

- (1) Inductance is measured with a LCR meter: HP4284A(Agilent)/3532-50(HIOKI) or equivalent. Test frequency at 100kHz/1KHz.
- (2) DC resistance is measured with a Digital Multimeter TH2512B(TongHui) or equivalent.
- (3) The DC Bias test with TH2817&TH1775(TongHui) 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) 电感值测试仪: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)

**Packaging /包装方式**



2500PCS/REEL  
2REEL/内盒  
5内盒/箱

净重:1.025KG/箱  
毛重:6.725KG/箱