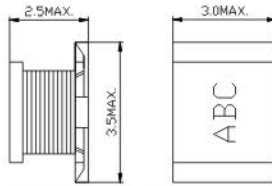


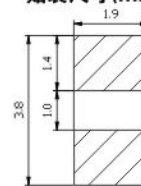
**SDS2520**



**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\*3.0mm Height 2.5mm 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 resuance 直流电阻 MAX(Ω)	Rated 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。

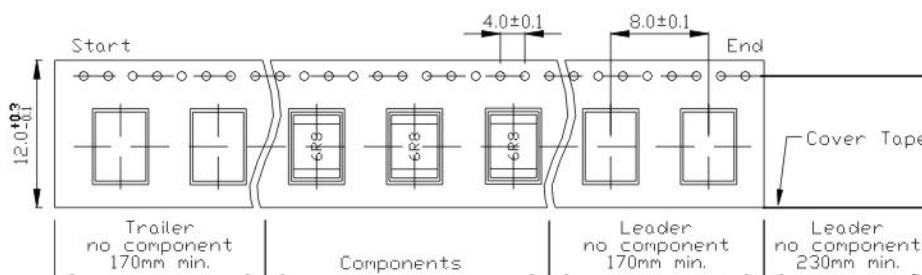
**Inductance Range/电感范围: 1.0~220 μH**  
**Temperature Range/使用温度: -30~100℃**

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℃, whichever is smaller. (At ambient reference temperature:20℃)

- (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℃时取其小值作为最大容许电流。(周围环境温度20℃)

**Packaging /包装方式**



2500PCS/REEL  
2REEL/内盒  
5内盒/箱

净重: 1.525KG/箱  
毛重: 7.225KG/箱