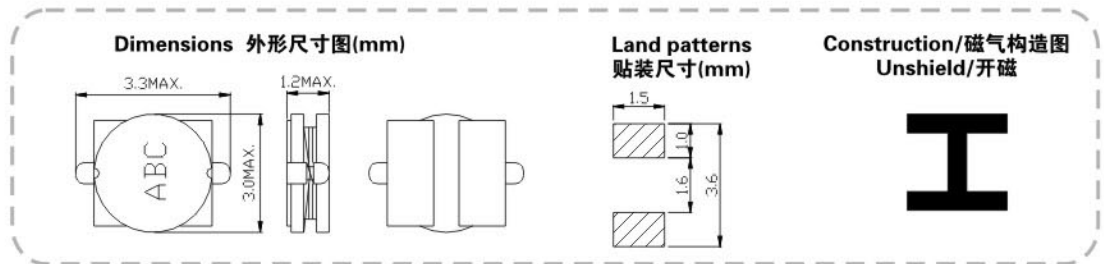


**SDH31**



**FEATURES:**

- ▶ Quantity/reel:4,000PCS.
- ▶ Small product,quadrate 3.0mm\*3.3mm Height 1.2mm 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.

**特长:**

- ▶ 数量/卷：4,000PCS。
- ▶ 产品小型化，方形3.0mm\*3.3mm 高度1.2mm 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、便携式光碟机等等。

**Inductance Range/电感范围: 1.5~22  $\mu$  H**  
**Temperature Range/使用温度: -30~100°C**

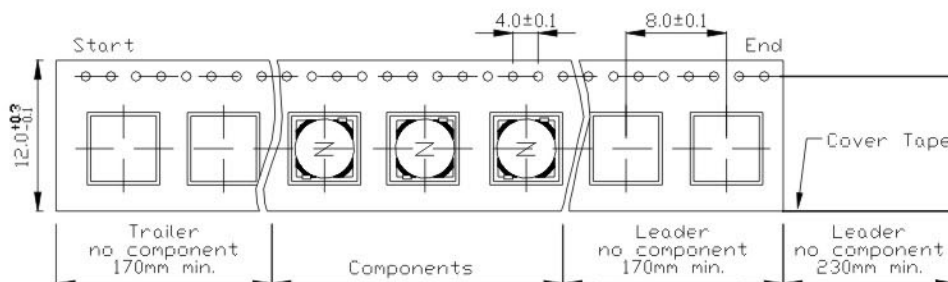
RoHS Compliant(SGS Certified Result) 本产品满足环境保护要求(有害物质限用)					
Pb 铅	Cd 镉	Hg 汞	六价铬 Cr <sup>6+</sup>	多溴联苯 PBBs	多溴联苯醚 PBDEs
<1000ppm	Nd	Nd	Nd	Nd	Nd

**Electrical Characteristics/电气特性**

Model No. 部品名	Test Condition 测试条件	Inductance ( $\mu$ H) 电感	Tolerance 公差(%)	DC resuance 直流电阻 MAX( $\Omega$ )	Rated current 额定电流(A)
SDH31-1R5MC	1KHz,0.3V	1.5	$\pm 20$	150	1.10
SDH31-2R2MC	1KHz,0.3V	2.2	$\pm 20$	170	1.00
SDH31-3R0MC	1KHz,0.3V	3.0	$\pm 20$	200	0.88
SDH31-3R3MC	1KHz,0.3V	3.3	$\pm 20$	240	0.85
SDH31-4R7MC	1KHz,0.3V	4.7	$\pm 20$	330	0.75
SDH31-6R8MC	1KHz,0.3V	6.8	$\pm 20$	500	0.60
SDH31-100MC	100KHz,0.3V	10.0	$\pm 20$	700	0.50
SDH31-220MC	100KHz,0.3V	22.0	$\pm 20$	1400	0.33

- (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**



4000PCS/REEL  
2REEL/内盒  
5内盒/箱  
净重:0.96KG/箱  
毛重:6.66KG/箱