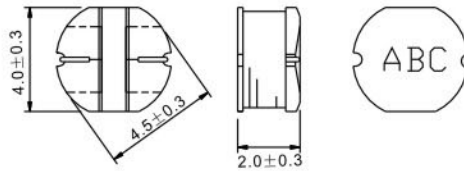


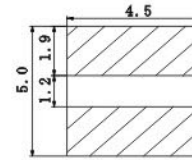
SD42B



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,rotundity 4.5mm type (4.8mm Maximum) Height 2.0mm TYP.
- ▶ 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: 2,500PCS。
- ▶ 产品小型化, 圆形4.5mm(4.8mm Max)高度2.0mm TYP。
- ▶ 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: 2.7~150 μ 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 ⁶⁺	多溴联苯 PBBs	多溴联苯醚 PBDEs
<1000ppm	Nd	Nd	Nd	Nd	Nd

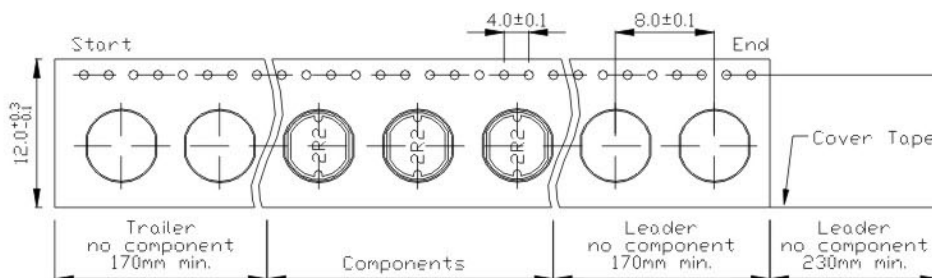
Electrical Characteristics/电气特性

Model No. 部品名	Test Condition 测试条件	Inductance 电感(μ H)	Tolerance 公差(%)	DC resistance 直流电阻 MAX(Ω)	Rated current 额定电流(A)
SD42B-2R7MC	100KHz,0.3V	2.7	±20	0.065	1.50
SD42B-4R7MC	100KHz,0.3V	4.7	±20	0.095	1.40
SD42B-100MC	1KHz,0.3V	10	±20	0.18	0.97
SD42B-220MC	1KHz,0.3V	22	±20	0.45	0.60
SD42B-260MC	1KHz,0.3V	26	±20	0.47	0.55
SD42B-330MC	1KHz,0.3V	33	±20	0.50	0.54
SD42B-390MC	1KHz,0.3V	39	±20	0.70	0.50
SD42B-470MC	1KHz,0.3V	47	±20	0.80	0.48
SD42B-560MC	1KHz,0.3V	56	±20	0.90	0.45
SD42B-101MC	1KHz,0.3V	100	±20	1.50	0.10
SD42B-151MC	1KHz,0.3V	150	±20	2.30	0.09

- (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:2.025KG/箱
毛重:7.725KG/箱