



FEATURES:

- * Quality/ reel: 4,000PCS
- * Small product, octagonal 3.85mm type (4.15mm Maximum) Height 1.3mm 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)
SDRA3813-1R0MC	100KHz,0.3V	1	±20	0.06	1.6
SDRA3813-2R2MC	100KHz,0.3V	2.2	±20	0.125	1.2
SDRA3813-3R3MC	100KHz,0.3V	3.3	±20	0.187	0.89
SDRA3813-4R7MC	100KHz,0.3V	4.7	±20	0.24	0.71
SDRA3813-5R6MC	100KHz,0.3V	5.6	±20	0.32	0.62
SDRA3813-6R8MC	100KHz,0.3V	6.8	±20	0.35	0.57
SDRA3813-8R2MC	100KHz,0.3V	8.2	±20	0.47	0.52
SDRA3813-100MC	1KHZ,0.3V	10	±20	0.57	0.47
SDRA3813-120MC	1KHZ,0.3V	12	±20	0.75	0.43
SDRA3813-150MC	1KHZ,0.3V	15	±20	0.81	0.38
SDRA3813-180MC	1KHZ,0.3V	18	±20	1.06	0.35
SDRA3813-220MC	1KHZ,0.3V	22	±20	1.15	0.32
SDRA3813-270MC	1KHZ,0.3V	27	±20	1.67	0.29
SDRA3813-330MC	1KHZ,0.3V	33	±20	1.84	0.28
SDRA3813-390MC	1KHZ,0.3V	39	±20	2.31	0.25
SDRA3813-470MC	1KHZ,0.3V	47	±20	2.63	0.22
SDRA3813-560MC	1KHZ,0.3V	56	±20	2.86	0.2
SDRA3813-680MC	1KHZ,0.3V	68	±20	3.94	0.18
SDRA3813-820MC	1KHZ,0.3V	82	±20	4.9	0.16
SDRA3813-101MC	1KHZ,0.3V	100	±20	5.74	0.14
SDRA3813-121MC	1KHZ,0.3V	120	±20	7.31	0.13
SDRA3813-151MC	1KHZ,0.3V	150	±20	9.08	0.12
SDRA3813-181MC	1KHZ,0.3V	180	±20	9.5	0.11

特长:

- * 数量/ 卷: 4,000PCS
- * 产品小型化, 八角形 3.85mm (4.15mm Max) 高度 1.3mm 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, 便携式光碟机等等.

Inductance Range/ 电感范围: 1.0- 180 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, whichever is smaller.
(At ambient reference temperature: 20°C)
- (1) 电感直测试仪: 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°C)