



## FEATURES:

- \*Quality/ reel: 750PCS
- \*High rated current & low DCR, quadrate 12.5mm MAX Height 5.0mm 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)
SDRH104-4R7MC	100KHz,0.3V	4.7	±20	0.035	3.2
SDRH104-6R8MC	100KHz,0.3V	6.8	±20	0.044	2.8
SDRH104-100MC	1KHZ,0.3V	10	±20	0.05	2.4
SDRH104-120MC	1KHZ,0.3V	12	±20	0.054	2.25
SDRH104-150MC	1KHZ,0.3V	15	±20	0.061	2
SDRH104-180MC	1KHZ,0.3V	18	±20	0.084	1.8
SDRH104-220MC	1KHZ,0.3V	22	±20	0.094	1.65
SDRH104-270MC	1KHZ,0.3V	27	±20	0.11	1.45
SDRH104-330MC	1KHZ,0.3V	33	±20	0.15	1.35
SDRH104-390MC	1KHZ,0.3V	39	±20	0.17	1.2
SDRH104-470MC	1KHZ,0.3V	47	±20	0.21	1.1
SDRH104-560MC	1KHZ,0.3V	56	±20	0.23	1
SDRH104-680MC	1KHZ,0.3V	68	±20	0.26	0.93
SDRH104-820MC	1KHZ,0.3V	82	±20	0.36	0.84
SDRH104-101MC	1KHZ,0.3V	100	±20	0.41	0.76
SDRH104-121MC	1KHZ,0.3V	120	±20	0.45	0.7
SDRH104-151MC	1KHZ,0.3V	150	±20	0.64	0.63
SDRH104-181MC	1KHZ,0.3V	180	±20	0.84	0.57
SDRH104-221MC	1KHZ,0.3V	220	±20	0.96	0.52
SDRH104-271MC	1KHZ,0.3V	270	±20	1.07	0.47
SDRH104-331MC	1KHZ,0.3V	330	±20	1.37	0.43
SDRH104-391MC	1KHZ,0.3V	390	±20	1.55	0.39
SDRH104-471MC	1KHZ,0.3V	470	±20	1.74	0.36

## 特长:

- \* 数量/ 卷: 750PCS
- \* 耐大电流, 低直流抵抗, 方形 12.5mm 高度 5.0mm 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: 4.7- 470 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)