



### FEATURES:

- \* Quality/ reel: 1,000PCS
- \* High rated current & Low DCR, octagonal 8.3mm MAX Height 4.0mm 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.

**Inductance Range/ 电感范围: 1.8- 100 mH**

**Temperature Range/ 使用温度: -30- 100°C**

### 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)
SDRH8D38-1R8MC	100KHz,0.3V	1.8	±20	15.6	6.8
SDRH8D38-2R5MC	100KHz,0.3V	2.5	±20	17.5	6
SDRH8D38-3R5MC	100KHz,0.3V	3.5	±20	24	5
SDRH8D38-4R7MC	100KHz,0.3V	4.7	±20	29	4.4
SDRH8D38-6R0MC	100KHz,0.3V	6	±20	32	4
SDRH8D38-100MC	100KHz,0.3V	10	±20	48	3
SDRH8D38-150MC	100KHz,0.3V	15	±20	67	2.5
SDRH8D38-220MC	100KHz,0.3V	22	±20	105	2
SDRH8D38-330MC	100KHz,0.3V	33	±20	157	1.6
SDRH8D38-470MC	100KHz,0.3V	47	±20	189	1.42
SDRH8D38-680MC	100KHz,0.3V	68	±20	290	1.08
SDRH8D38-101MC	100KHz,0.3V	100	±20	410	0.88

### 特长:

- \* 数量/ 卷: 1,000PCS
- \* 耐大电流, 低直流抵抗, 八角形 8.3MAX 高度 4.0mm 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.

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)