



## FEATURES:

- \*Quality/ reel: 1,000PCS
- \*High rated current & low DCR, quadrate 7.6mm MAX Height 4.5mm 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: 3.3- 1000 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)
SDRB7645-3R3MC	100KHZ,0.3V	3.3	±20	0.024	2.3
SDRB7645-4R7MC	100KHZ,0.3V	4.7	±20	0.036	2
SDRB7645-6R8MC	100KHZ,0.3V	6.8	±20	0.047	1.7
SDRB7645-100MC	1KHZ,0.3V	10	±20	0.055	1.3
SDRB7645-150MC	1KHZ,0.3V	15	±20	0.062	1.1
SDRB7645-220MC	1KHZ,0.3V	22	±20	0.073	0.9
SDRB7645-330MC	1KHZ,0.3V	33	±20	0.115	0.82
SDRB7645-470MC	1KHZ,0.3V	47	±20	0.15	0.75
SDRB7645-680MC	1KHZ,0.3V	68	±20	0.21	0.6
SDRB7645-101MC	1KHZ,0.3V	100	±20	0.3	0.5
SDRB7645-151MC	1KHZ,0.3V	150	±20	0.408	0.4
SDRB7645-221MC	1KHZ,0.3V	220	±20	0.624	0.33
SDRB7645-331MC	1KHZ,0.3V	330	±20	0.888	0.25
SDRB7645-471MC	1KHZ,0.3V	470	±20	1.26	0.22
SDRB7645-681MC	1KHZ,0.3V	680	±20	1.776	0.2
SDRB7645-102MC	1KHZ,0.3V	1000	±20	2.736	0.14

## 特长:

- \* 数量/ 卷: 1,000PCS
- \* 耐大电流, 低直流抵抗, 方形 7.6mm 高度 4.5mm 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) 电感直测仪器: 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)