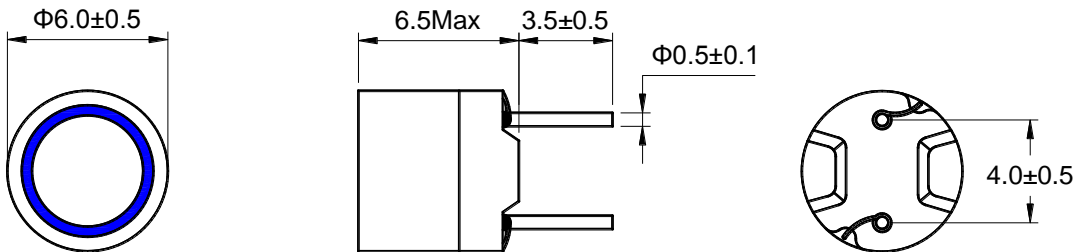


**Outline:  
产品概要**

- Magnetically shielded construction, high reliability.  
磁屏蔽结构，高可靠性。
- Lead free product, RoHS compliant.  
无铅产品，符合 RoHS 指令。
- Widely used in power supply, DC-DC converter, computer and peripherals, air-condition, displayer, home electric appliance, and etc.  
适用于电源，DC-DC 转换器，电脑及其外围设备，空调，显示器，家用电器等。
- Operating temperature : -40°C ~ +125°C  
(Including coil's temperature rise)  
工作温度：-40°C ~ +125°C (包含线圈发热)

**1 Appearance and dimensions (mm)  
外形尺寸**

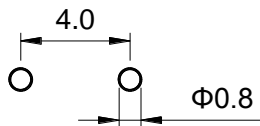


**2 Marking  
印字标识**

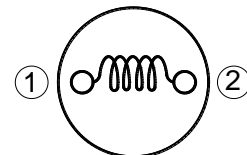


※ Marking is available if needed.  
如果需要，产品可印字。

**3 Reference hole pattern (mm)  
参考焊孔尺寸**



**4 Schematic  
原理图**



**5 Electrical characteristics**

**电气特性**

Part No. 型号	Inductance (μH) 电感值 ※1 ±20%	D.C.R. (mΩ) 直流电阻		Saturation current (A) 饱和电流 ※2 Typical	Temperature rise current (A) 温升电流 ※3 Typical
		Typical	Max		
PRD0606-220M	22.0	84.0	101	0.96	1.00
PRD0606-330M	33.0	147	176	0.78	0.79
PRD0606-470M	47.0	203	244	0.66	0.67
PRD0606-680M	68.0	252	302	0.55	0.60
PRD0606-101M	100	378	454	0.45	0.49
PRD0606-221M	220	630	756	0.30	0.38
PRD0606-331M	330	1,180	1,410	0.25	0.28
PRD0606-561M	560	2,250	2,700	0.19	0.20
PRD0606-102M	1,000	3,890	4,670	0.14	0.15

■ All data is tested based on 25°C ambient temperature.  
所有数据基于环境温度 25°C条件下测试。

※1 Inductance measure condition at 100kHz, 0.1V.  
电感测试条件为 100kHz, 0.1V。

※2 Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.  
饱和电流: 电感值下降其初始值的 20%时所加载的实际直流电流值。

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).  
温升电流: 使产品温度上升到 ΔT40°C时所加载的实际直流电流值(Ta=25°C)。

※ Special remind: Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.  
特别提醒: 线路设计, 组件布局, 印刷电路板(PWB)尺寸及厚度, 散热系统等均会影响产品温度。  
请务必在最终应用时, 验证产品发热状况。

**6 Saturation current VS temperature rise current curve  
饱和电流 VS 温升电流曲线**

