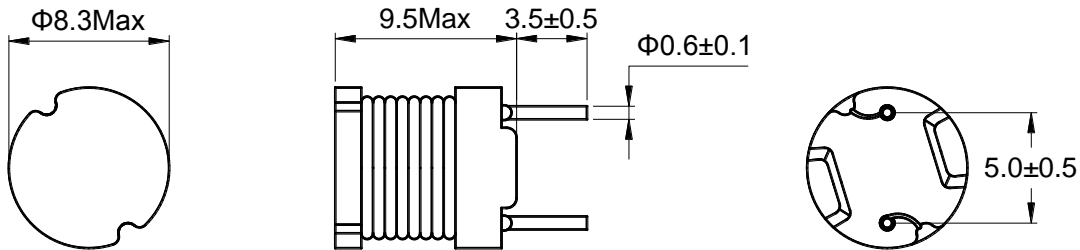




Outline: 产品概要

- High reliability, high consistency inductance.
高可靠性，电感值一致性好。
- High saturation current.
饱和电流高。
- 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, 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，家用电器等。
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(Including coil's temperature rise)
工作温度： $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (包含线圈发热)

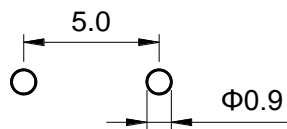
1 Appearance and dimensions (mm) 外形尺寸



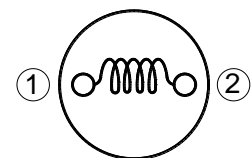
2 Marking 印字标识



3 Reference hole pattern (mm) 参考焊孔尺寸



4 Schematic 原理图



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

5 Electrical characteristics

电气特性

Part No. 型号	Inductance (μH) 电感值 ※1 ±10%	D.C.R. (mΩ) 直流电阻		Saturation current (A) 饱和电流 ※2 Max
		Typical	Max	
PKS0809-220K	22.0	42.0	50.4	1.70
PKS0809-330K	33.0	49.0	58.8	1.40
PKS0809-470K	47.0	70.0	84.0	1.30
PKS0809-680K	68.0	98.0	118	1.10
PKS0809-101K	100	133	160	0.90
PKS0809-151K	150	189	227	0.74
PKS0809-221K	220	266	319	0.64
PKS0809-331K	330	427	512	0.51
PKS0809-561K	560	707	848	0.40
PKS0809-102K	1,000	1,290	1,540	0.30
PKS0809-222K	2,200	2,950	3,540	0.19
PKS0809-332K	3,300	4,310	5,170	0.15
PKS0809-472K	4,700	5,520	6,630	0.13
PKS0809-682K	6,800	9,240	11,100	0.11
PKS0809-103K	10,000	15,400	18,500	0.09

■ 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 1kHz, 0.25V.
电感测试条件为 1kHz, 0.25V。

※2 Saturation current: the actual value of DC current when the inductance decrease 20% 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。

※ 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, 印刷线路板(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。

**4 Saturation current curve
饱和电流曲线**

