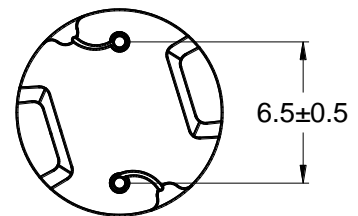
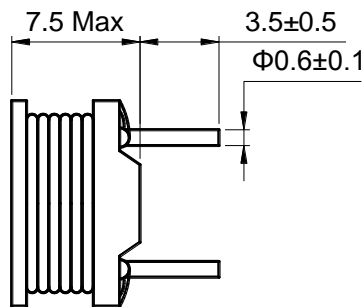
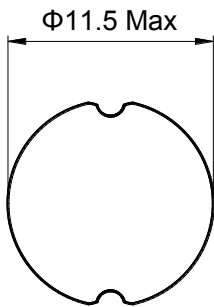


Outline: 产品概要

- 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)

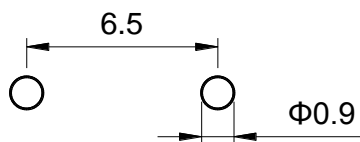
1 Appearance and dimensions (mm) 外形尺寸



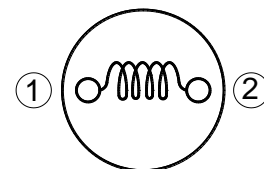
2 Marking 印字标识



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	
PKS1006-100K	10.0	28.0	33.6	3.60
PKS1006-120K	12.0	30.8	37.0	3.30
PKS1006-150K	15.0	40.6	48.7	2.90
PKS1006-180K	18.0	44.8	53.8	2.70
PKS1006-220K	22.0	61.6	73.9	2.40
PKS1006-270K	27.0	70.0	84.0	2.20
PKS1006-330K	33.0	77.0	92.4	2.00
PKS1006-390K	39.0	98.0	118	1.80
PKS1006-470K	47.0	112	134	1.70
PKS1006-560K	56.0	133	159	1.50
PKS1006-680K	68.0	154	185	1.40
PKS1006-820K	82.0	203	244	1.30
PKS1006-101K	100	224	269	1.10
PKS1006-151K	150	350	420	1.00
PKS1006-181K	180	392	470	0.84

■ 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**

