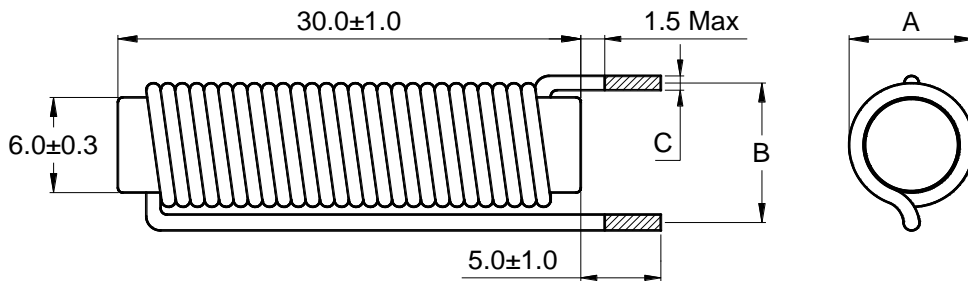


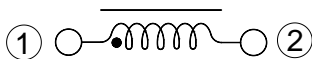
Outline: 产品概要

- Low cost design, use ferrite cores.
低成本设计，使用铁氧体磁芯。
- Low DC Resistance and high saturation current.
低直流电阻和高饱和电流。
- Lead free products, RoHS compliant.
低无铅产品，符合 RoHS 指令。
- Widely used in Power Supplier/Power amplifiers/
Switching power supplies/Output antenna and other
filters/Monitors/TV Sets/UPS, etc.
广泛应用于电源供应器，功率放大器，开关电源，输出
天线和其它过滤器，监视器，电视机和不间断电源等。
- 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 Schematic 原理图



Part No. 品名	A	B	C
	Max	±1.0	±0.15
RKR0630-4R5M	10.20	14.50	1.80
RKR0630-5R6M	10.00	14.00	1.70
RKR0630-6R8M	9.50	12.50	1.40
RKR0630-7R5M	9.50	12.50	1.40
RKR0630-8R2M	9.20	12.00	1.30
RKR0630-100M	9.00	11.50	1.20
RKR0630-150M	8.50	10.00	0.90
RKR0630-220M	8.20	10.00	0.80

**3 Electrical characteristics
电气特性**

Part No. 品名	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		
RKR0630-4R5M	4.50	2.70	3.50	16.5	24.3
RKR0630-5R6M	5.60	3.47	4.50	15.0	22.0
RKR0630-6R8M	6.80	4.70	6.10	14.0	18.4
RKR0630-7R5M	7.50	5.28	6.86	13.0	18.0
RKR0630-8R2M	8.20	6.10	7.90	11.0	16.6
RKR0630-100M	10.0	7.68	9.98	10.5	14.4
RKR0630-150M	15.0	10.87	14.13	9.00	12.4
RKR0630-220M	22.0	24.60	32.00	7.50	8.00

■ 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。

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

