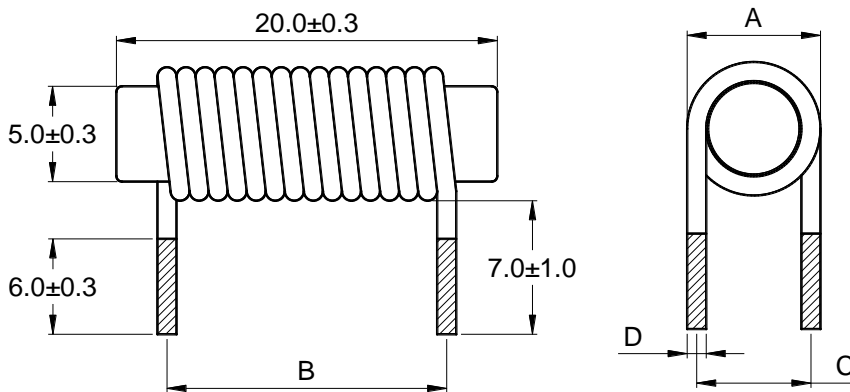


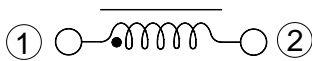
**Outline:  
产品概要**

- Use ferrite core, high frequency.  
铁氧体磁芯，工作频率高。
- Low DC resistance, high saturation current.  
低直流电阻，高饱和电流。
- Lead free product, RoHS compliant.  
无铅产品，符合 RoHS 指令。
- Widely used in switching power supply, power amplifier, output antenna, filter, displayer, UPS, and etc.  
广泛应用于开关电源，功率放大器，输出天线，滤波器，显示器，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	D
	Max	±1.0	±0.5	±0.15
RAR0520-2R2M	8.50	8.50	6.45	1.40
RAR0520-3R3M	8.00	8.00	6.25	1.20
RAR0520-4R7M	7.50	7.50	5.95	0.90
RAR0520-5R6M	7.50	7.50	5.95	0.90
RAR0520-6R8M	7.20	7.20	5.85	0.80
RAR0520-7R6M	7.20	7.20	5.85	0.80
RAR0520-100M	6.90	6.90	5.75	0.70
RAR0520-150M	6.80	6.80	5.55	0.50

**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		
RAR0520-2R2M	2.20	2.41	3.13	15.0	19.5
RAR0520-3R3M	3.30	4.21	5.48	11.0	14.8
RAR0520-4R7M	4.70	8.12	10.6	10.5	10.6
RAR0520-5R6M	5.60	9.13	11.9	9.50	10.0
RAR0520-6R8M	6.80	11.9	15.5	9.00	8.80
RAR0520-7R6M	7.60	13.3	17.3	8.00	8.30
RAR0520-100M	10.0	21.0	27.4	7.00	6.60
RAR0520-150M	15.0	41.5	53.9	5.80	4.70

■ 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**

