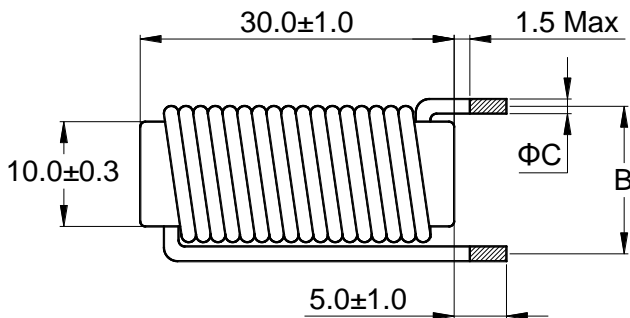




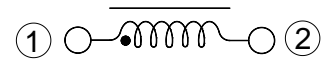
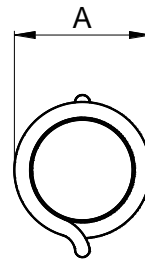
Outline: 产品概要

- 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, display, 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)

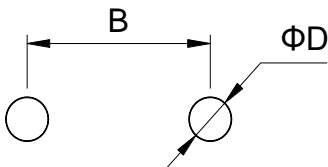
1 Appearance and dimensions (mm) 外形尺寸



2 Schematic 原理图



3 Reference hole pattern (mm) 参考焊孔尺寸



Part No. 型号	A	B	C	D
	Max	±1.0	±0.15	Ref.
8R2	14.5	13.7	1.60	2.00
100	14.0	13.2	1.30	1.70
150	13.5	12.7	1.10	1.50
220	13.5	12.5	1.00	1.40

4 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		
RKR1030-8R2M	8.20	4.95	6.43	31.0	21.6
RKR1030-100M	10.0	7.83	10.2	28.0	17.2
RKR1030-150M	15.0	13.7	17.8	23.5	13.0
RKR1030-220M	22.0	20.3	26.4	19.5	10.7

- 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)。

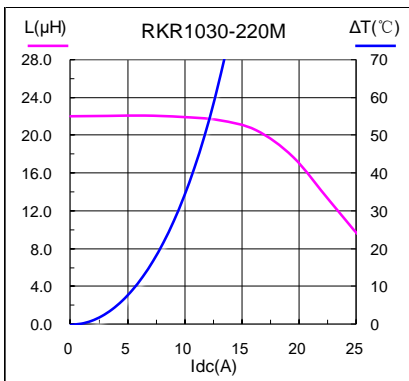
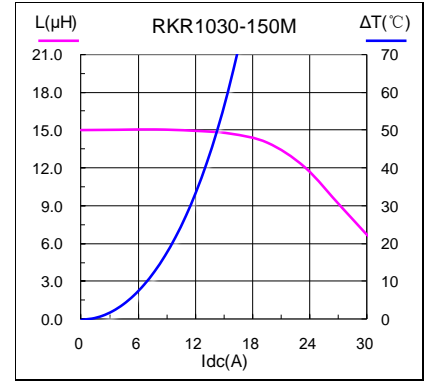
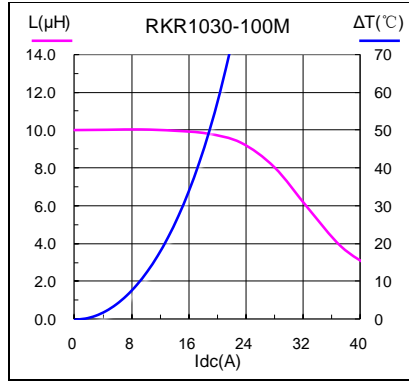
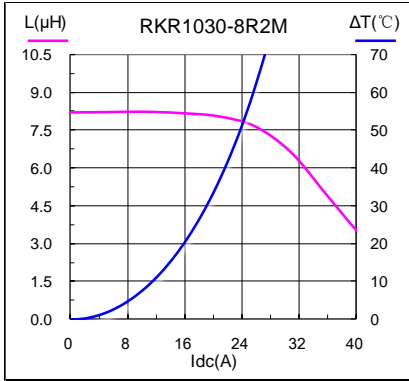
- ※ Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc.

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。

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

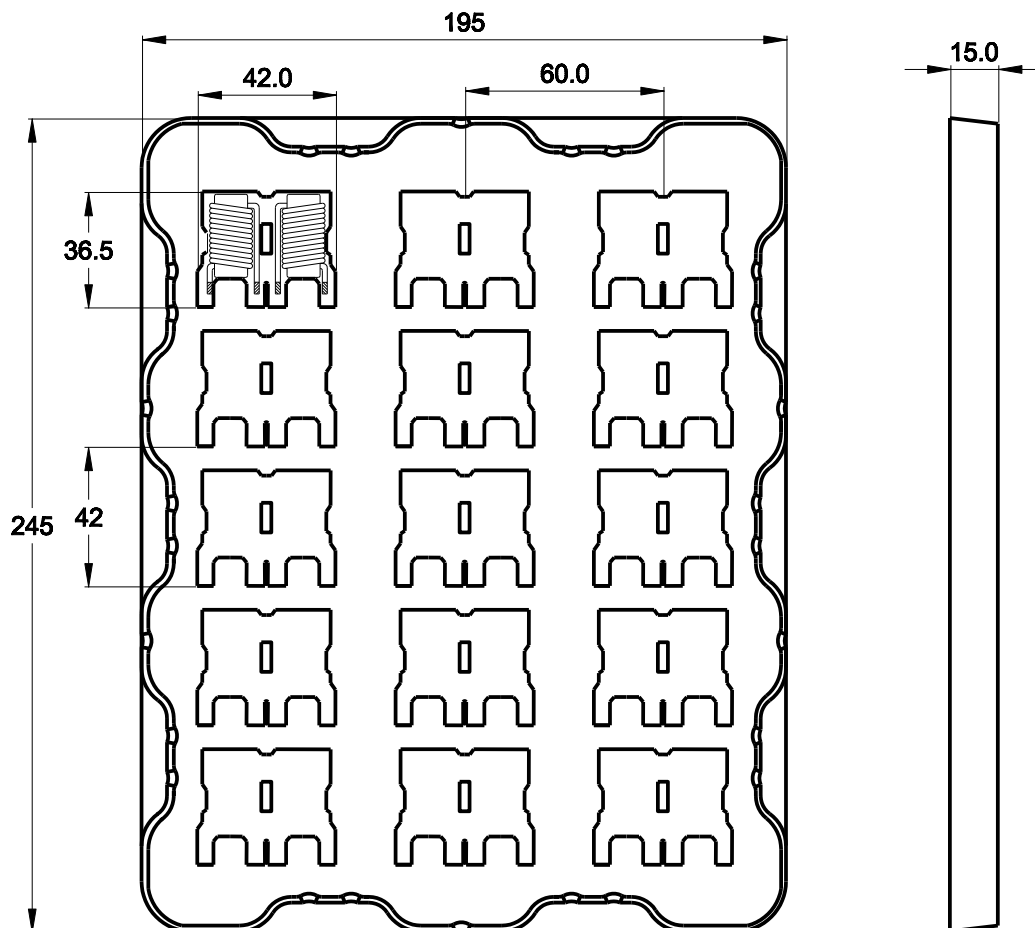


6 Packing specification

包装规格

6.1 Plastic tray dimensions (mm)

吸塑盘尺寸

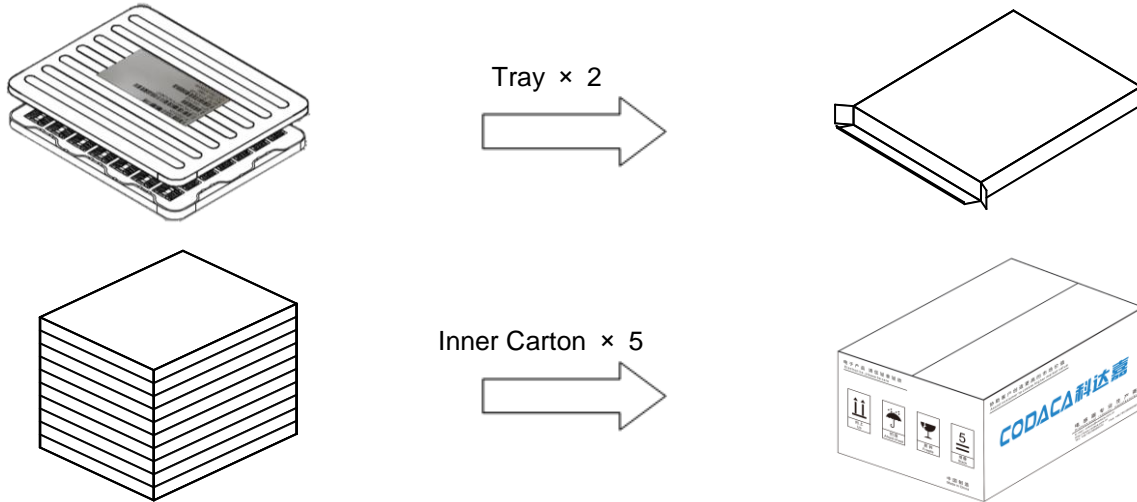


7 Packing specification

包装规格

7.1 Packing

包装



7.2 Carton dimensions and packing quantity

包装箱尺寸和包装数量

■ Inner Carton : 265×205×40mm
内包装盒

■ Out Carton : 275×232×255mm
外包装箱

Product Series 产品系列	Quantity / tray 数量 / 盘	Inner Carton Quantity 内盒 包装数量	Out Carton Quantity 外箱 包装总数量
RKR1030	30pcs	(30×2) = 60pcs	(60×5) = 300pcs

7.3 Label making

标签标识

The following items will be marked on the tray of product label and shipping label.
以下项目将明确标识于产品吸塑盘标签以及运输标签上。

Production Label 产品标签

- Part No.
产品型号
- Electrical Information
产品电性信息
- Quantity
数量
- Packing No.
包装流水号

Shipping Label 运输标签

- Customer Name
客户名称
- Customer Part No.
客户型号
- Supplier Part No.
供应商型号
- Supplier Name
供应商名称
- Country of origin
产品产地