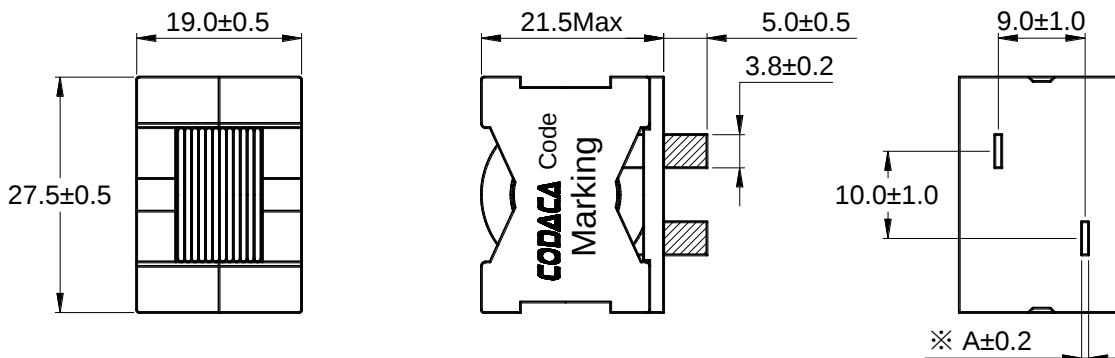




Outline: 产品概要

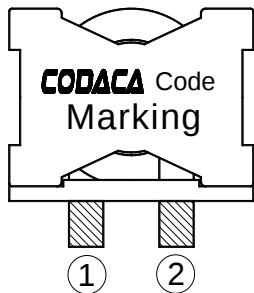
- Assemblage design, sturdy structure.
组立式设计，结构坚固。
- High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance.
高电感值，大电流，低磁损，低阻抗，寄生电容小。
- Flat wire winding, achieve a low D.C. Resistance.
扁平线绕组，实现极低的直流电阻。
- Temperature rise current and saturation current is less influenced by environment.
温升电流及饱和电流受环境条件影响小。
- 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

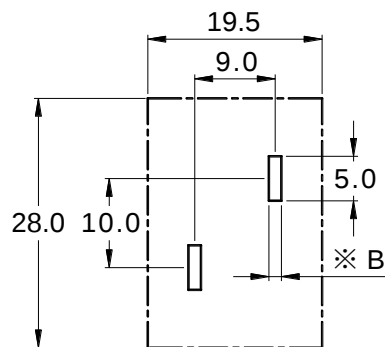


Part No.	4R7 – 150	220 – 470
Dimension A	0.80	0.70
Dimension B	1.40	1.30

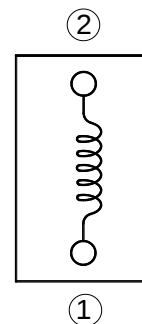
2 Marking 印字标识



3 Reference hole pattern (mm) 参考焊孔尺寸



4 Schematic 原理图



5 Electrical characteristics
电气特性

Part No. 型 号	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		
CPCF2919-4R7MC	4.70	2.76	3.60	60.0	26.0
CPCF2919-5R6MC	5.60	2.76	3.60	49.0	26.0
CPCF2919-6R8MC	6.80	2.76	3.60	46.0	26.0
CPCF2919-100MC	10.0	3.70	4.80	32.0	24.0
CPCF2919-150MC	15.0	3.70	4.80	23.0	24.0
CPCF2919-220MC	22.0	4.80	6.20	18.0	22.0
CPCF2919-330MC	33.0	4.80	6.20	13.0	22.0
CPCF2919-470MC	47.0	4.80	6.20	9.00	22.0

■ 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。

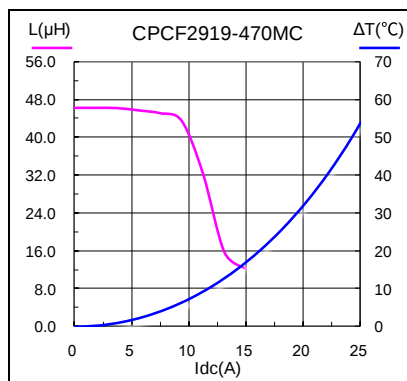
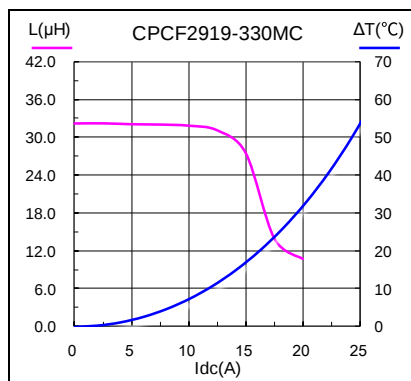
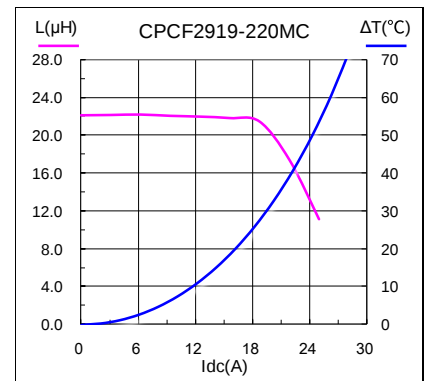
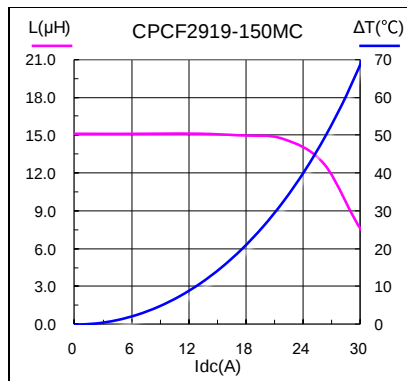
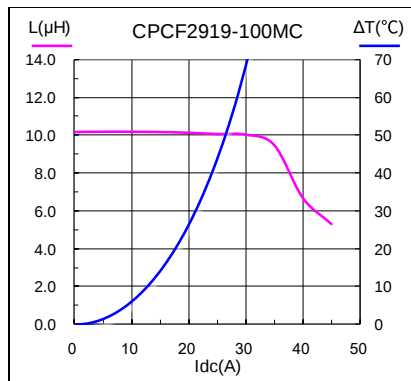
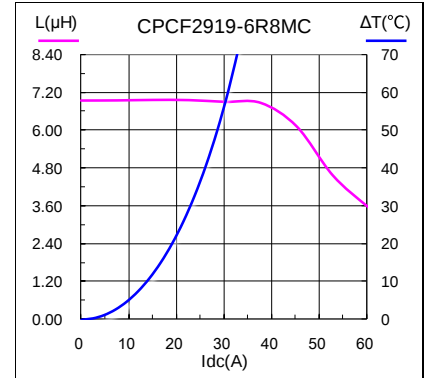
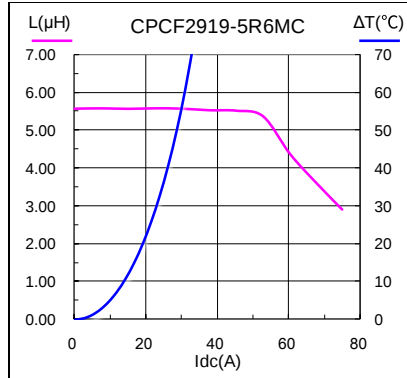
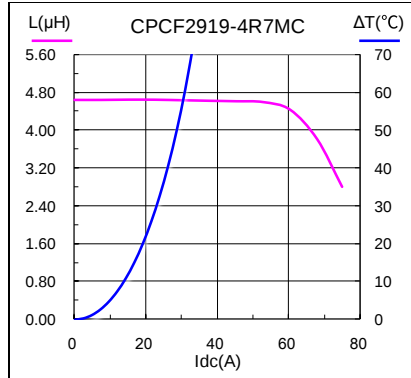
※1 Inductance measure condition at 100kHz, 0.1V.
电感测试条件为 100kHz, 0.1V。

※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。

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

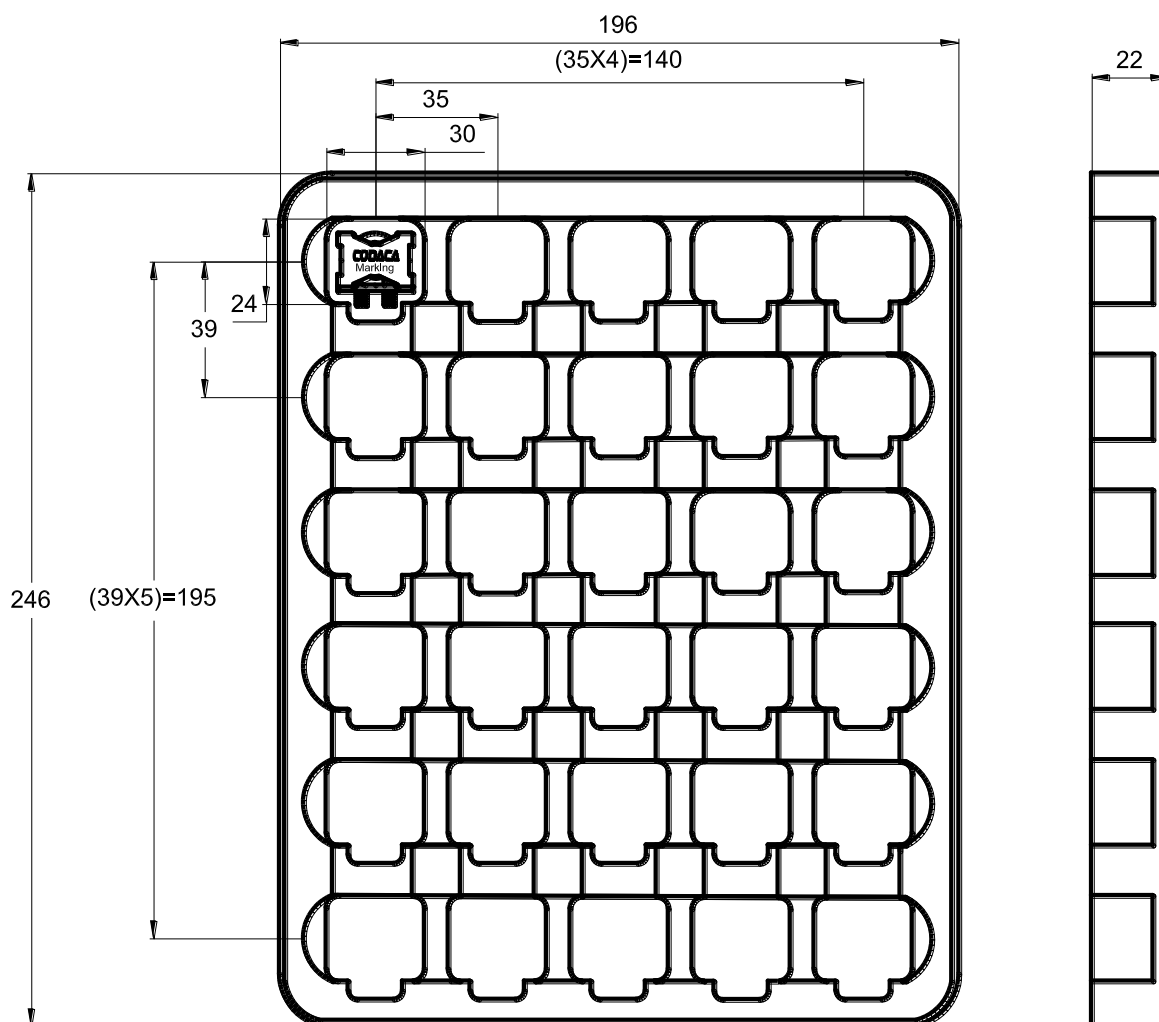


7 Packing specification

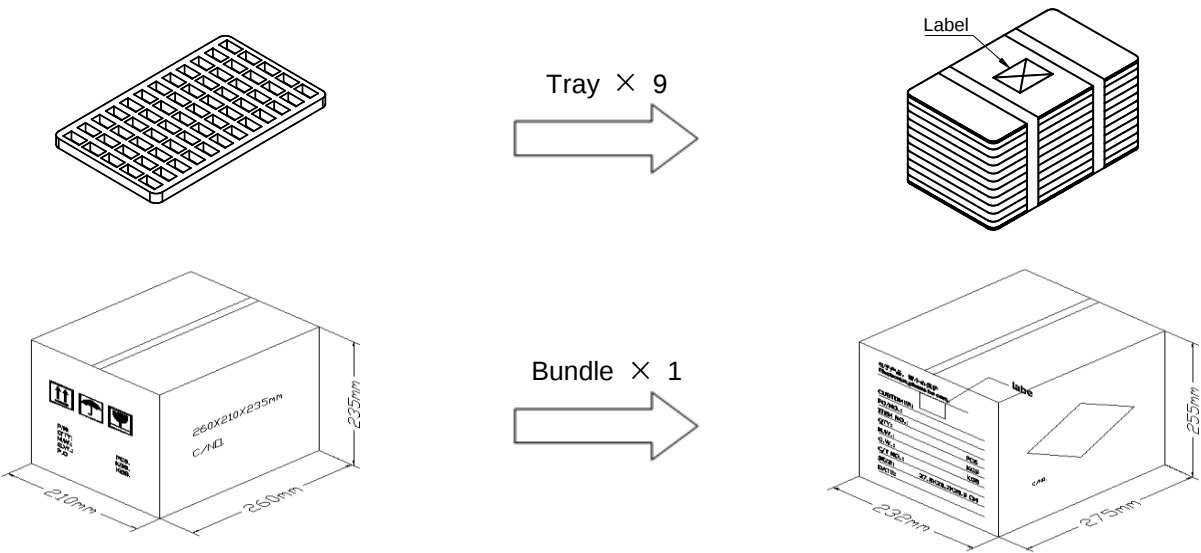
包装规格

7.1 Plastic tray dimensions (mm)

吸塑盘尺寸



7.2 Packing
包装



7.3 Carton dimensions and packing quantity
包装箱尺寸和包装数量

■ Inner Carton : 260×210×235mm
内包装箱

■ Out Carton : 275×232×255mm
外包装箱

Product Series 产品系列	Quantity / Tray 数量 / 盘	Quantity / Bundle 数量 / 捆	Out Carton Quantity 外箱 包装总数量
CPCF2919	30pcs	(30×9) = 270pcs	(270×1) = 270pcs

7.4 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