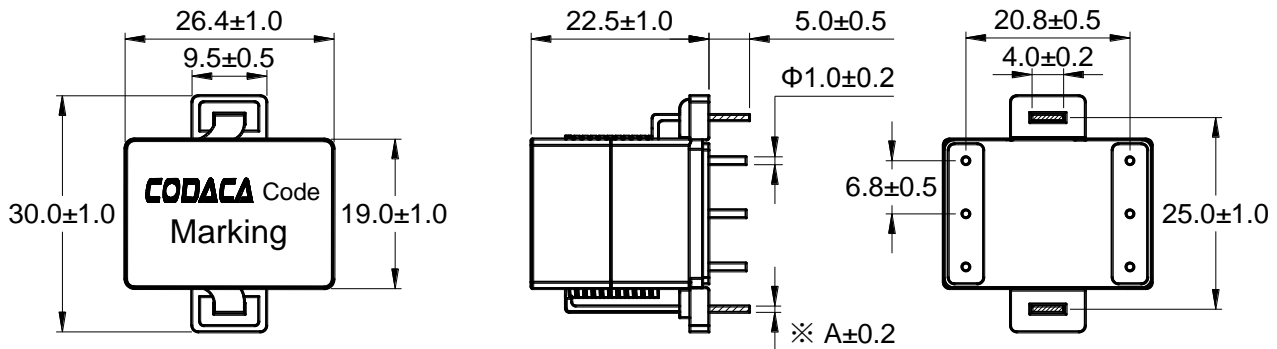




**Outline:
产品概要**

- 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°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**

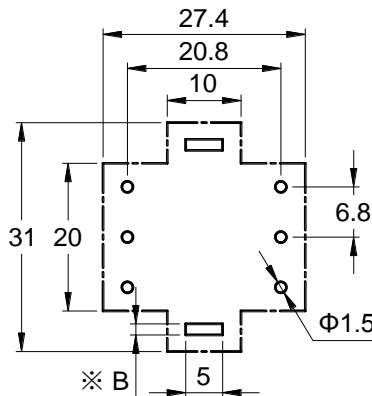


Part No.	130	150 – 180	250	270 – 330
Dimension A	1.20	1.00	0.90	0.80
Dimension B	1.80	1.60	1.50	1.40

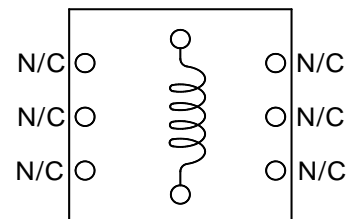
**2 Marking
印字标识**



**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		
CPCE2624A-130M	13.0	1.90	2.10	35.0	26.0
CPCE2624A-150M	15.0	2.50	2.90	33.0	25.0
CPCE2624A-180M	18.0	2.70	3.10	30.0	24.0
CPCE2624A-250M	25.0	3.60	4.10	28.0	23.0
CPCE2624A-270M	27.0	3.90	4.50	26.0	22.0
CPCE2624A-330M	33.0	4.20	4.80	24.0	20.0

■ 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 30% of its initial value.

饱和电流: 电感值下降其初始值的 30% 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 $\Delta T 50^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).

温升电流: 使产品温度上升到 $\Delta T 50^{\circ}\text{C}$ 时所加载的实际直流电流值 ($T_a=25^{\circ}\text{C}$)。

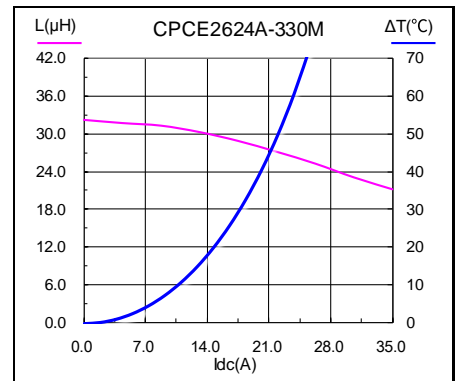
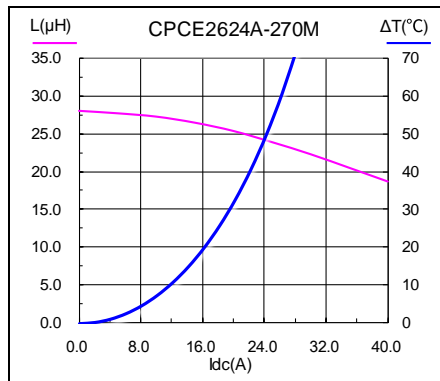
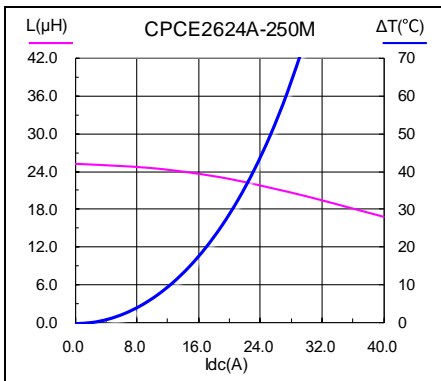
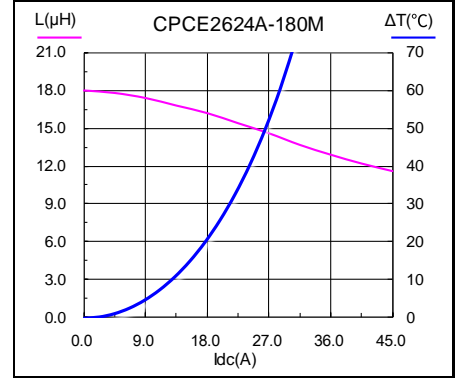
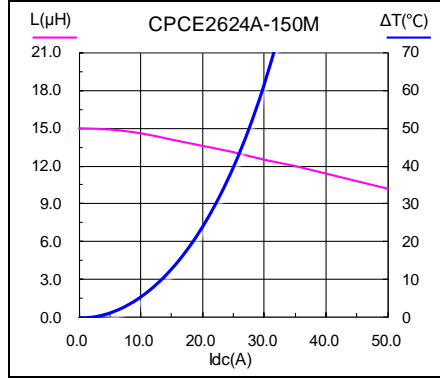
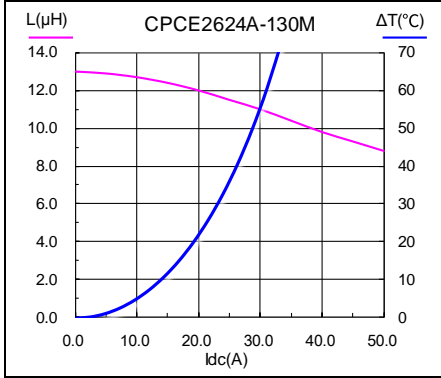
※ Special remind: Circuit design, component placement, PWB size and thickness, cooling system and etc.

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。

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

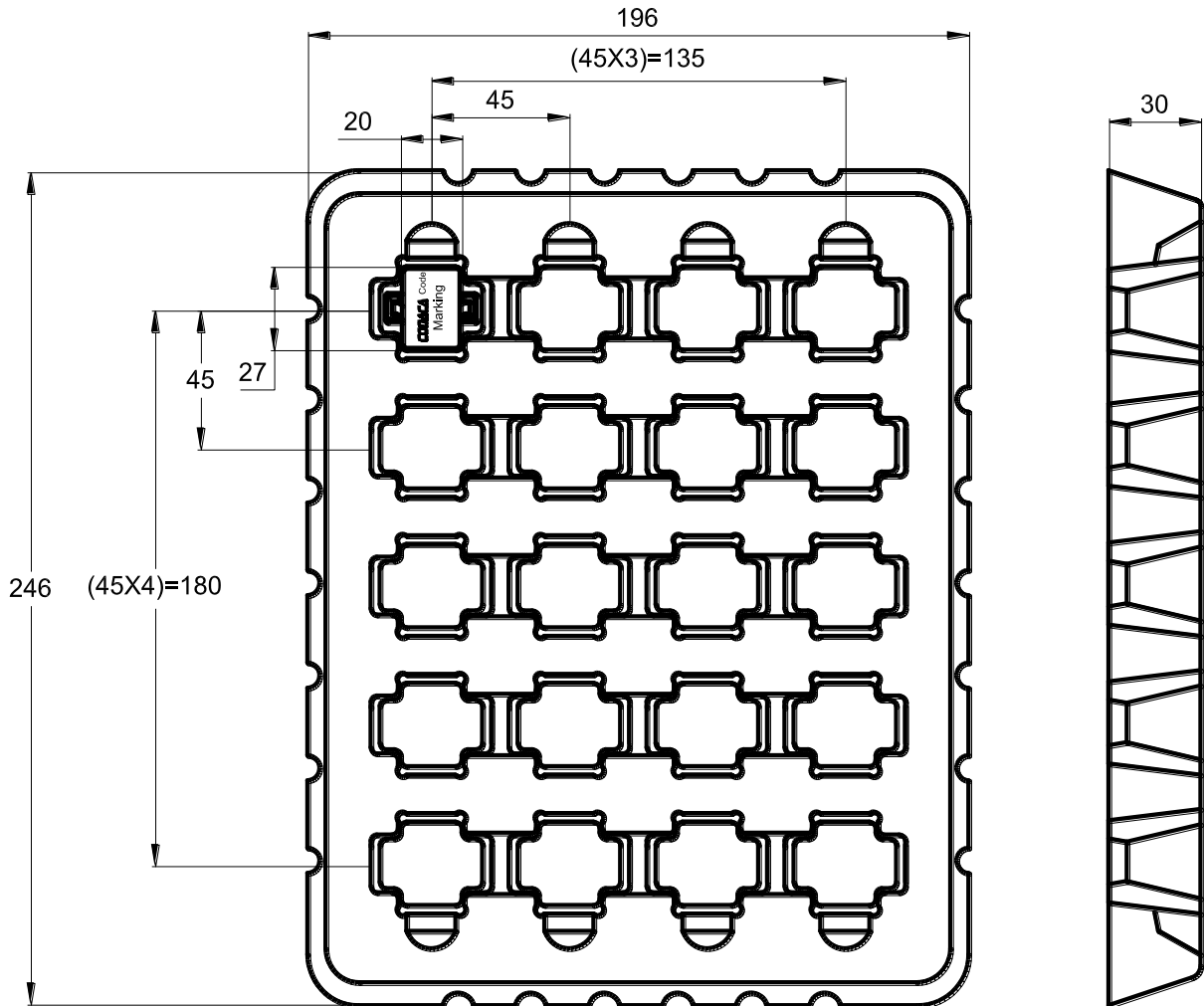


7 Packing specification

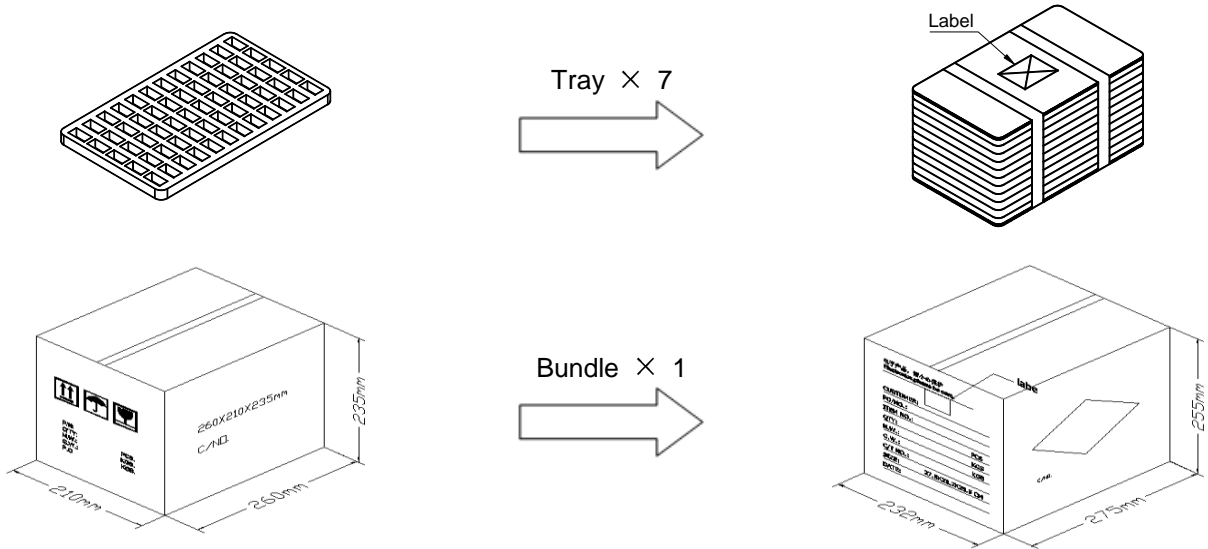
包装规格

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
CPCE2624A	20pcs	(20×7) = 140pcs	(140×1) = 140pcs

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