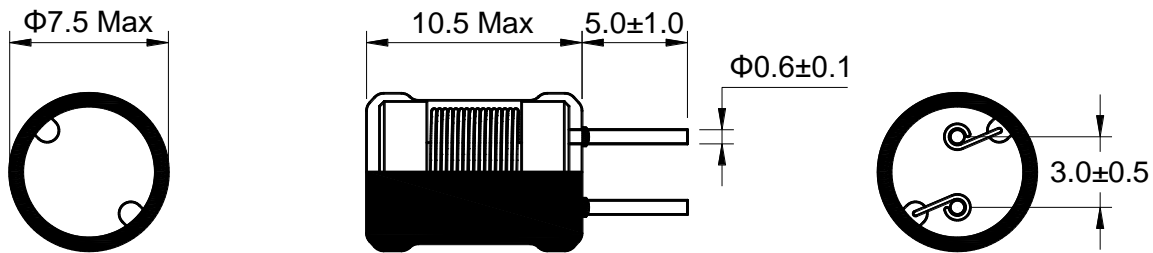


## Outline: 产品概要

- High reliability, high consistency inductance.  
高可靠性，电感值一致性好。
- Lead free product, RoHS compliant.  
无铅产品，符合 RoHS 指令。
- Core is encapsulated by UL heat shrink tube to provide excellent mechanic and environmental protection.  
整体包覆在 UL 热缩套管内，提供极佳的机械和环境保护。
- Widely used in power supply, DC-DC converter, computer and peripherals, air-condition, home electric appliance, and etc.  
适用于电源，DC-DC 转换器，电脑及其外围设备，空调，家用电器等。
- 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)

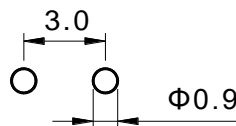
## 1 Appearance and Dimensions (mm) 外形尺寸



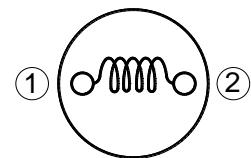
## 2 Marking 印字标识



## 3 Reference Hole pattern (mm) 参考焊孔尺寸



## 4 Schematic 原理图



※ Marking is available if needed.  
如果需要，产品可印字。

**5 Electrical Characteristics  
电气特性**

Part No. 型号	Inductance (μH) 电感值 ※1 ±10%	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		
PK0608-100K	10.0	28.3	34.0	2.40	3.54
PK0608-120K	12.0	31.5	37.8	2.10	3.35
PK0608-150K	15.0	41.0	49.2	1.95	2.94
PK0608-180K	18.0	48.0	57.6	1.80	2.72
PK0608-220K	22.0	51.8	62.2	1.55	2.61
PK0608-270K	27.0	68.0	81.6	1.45	2.28
PK0608-330K	33.0	81.9	98.3	1.27	2.08
PK0608-390K	39.0	101	121	1.22	1.87
PK0608-470K	47.0	114	137	1.10	1.76
PK0608-560K	56.0	134	161	1.02	1.62
PK0608-680K	68.0	163	196	0.96	1.47
PK0608-820K	82.0	239	287	0.86	1.22
PK0608-101K	100	263	315	0.73	1.16
PK0608-121K	120	298	358	0.67	1.09
PK0608-151K	150	386	463	0.59	0.98
PK0608-181K	180	443	531	0.55	0.89
PK0608-221K	220	530	636	0.50	0.82
PK0608-271K	270	653	783	0.46	0.74
PK0608-331K	330	789	947	0.42	0.67
PK0608-391K	390	981	1,177	0.36	0.60
PK0608-471K	470	1,104	1,325	0.34	0.55
PK0608-561K	560	1,356	1,627	0.32	0.50
PK0608-681K	680	1,561	1,873	0.29	0.46
PK0608-821K	820	1,881	2,257	0.27	0.42
PK0608-102K	1,000	2,404	2,885	0.26	0.38

■ 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 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。

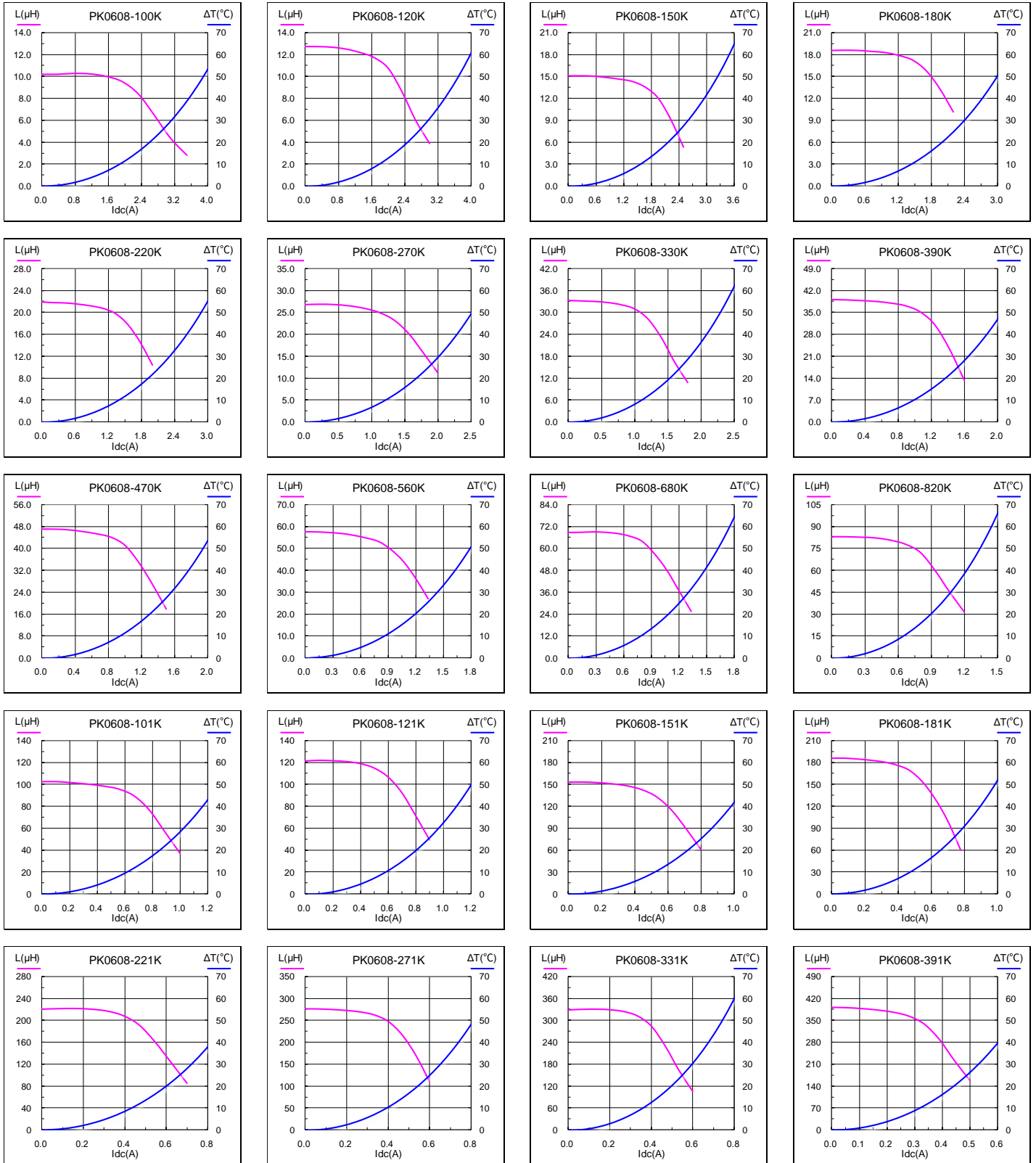
※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).

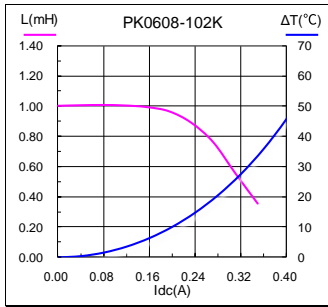
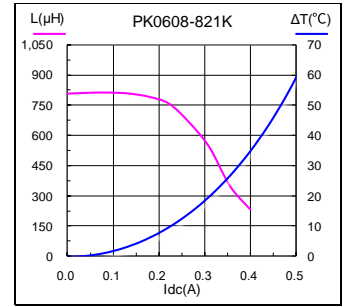
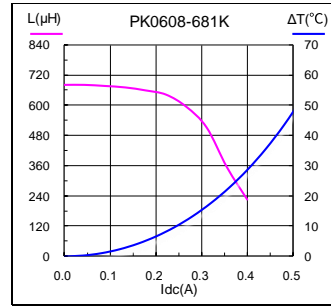
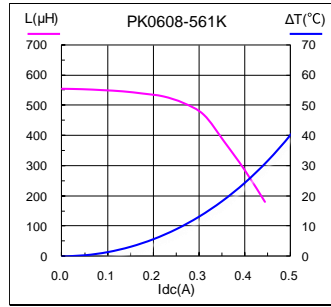
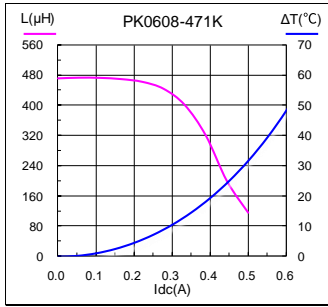
温升电流: 使产品温度上升到 ΔT40°C时所加载的实际直流电流值(Ta=25°C)。

※ Special remind: Circuit design, component placement, PCB 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(PCB)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**

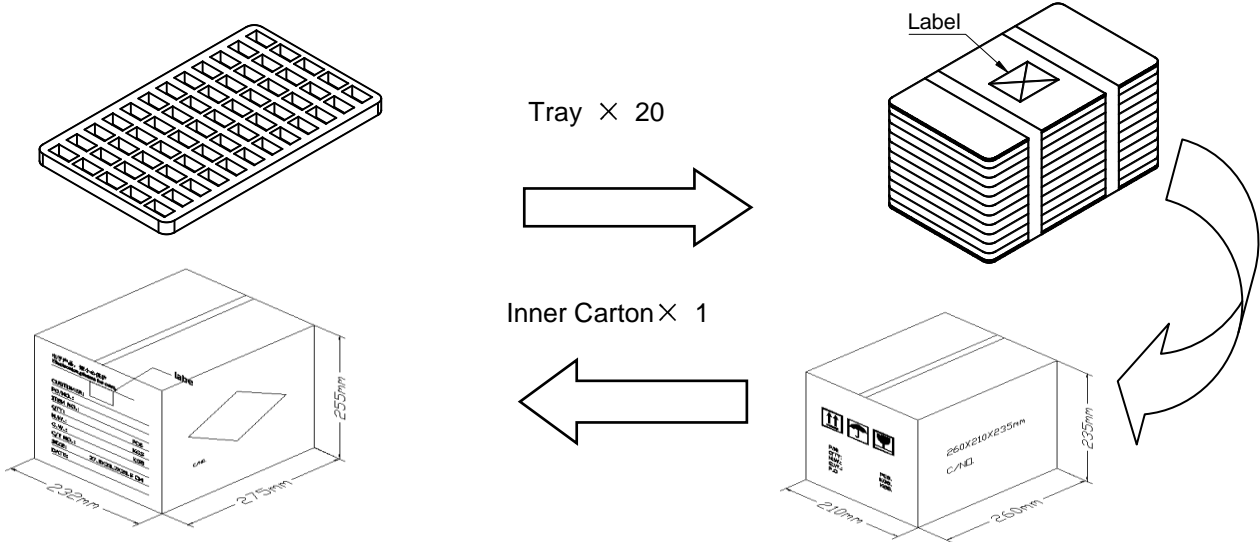




**7 Packing Specification**

**包装规格**

**7.1 Packing  
包装**



**7.2 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	Inner Carton Quantity 内盒 包装数量	Out Carton Quantity 外箱 包装总数量
PK0608	182pcs	(182×20) = 3640pcs	(3640×1) = 3640pcs

**7.3 Label Making**

**标签标识**

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

**Production Label  
产品标签**

- Packing No.  
包装流水号
- Quantity  
数量
- Shipment Date  
出货日期
- Part No.  
产品型号
- Customer Part No.  
客户型号
- Customer Po No.  
客户订单号

**Shipping Label  
运输标签**

- Packing No.  
包装流水号
- Quantity  
数量
- Shipment Date  
出货日期
- Part No.  
产品型号
- Customer Part No.  
客户型号
- Customer Po No.  
客户订单号