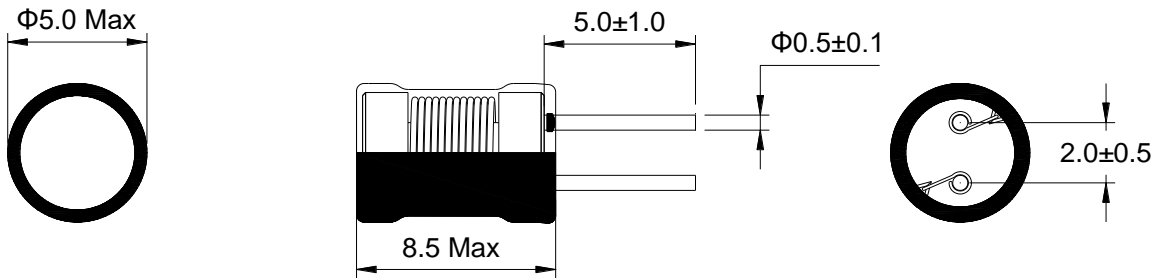


Outline: 产品概要

- 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)

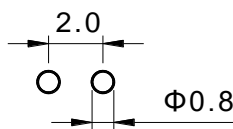
1 Appearance and dimensions (mm) 外形尺寸



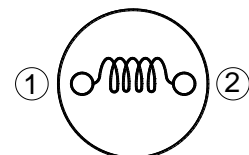
2 Marking 印字标识



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	D.C.R. (mΩ) 直流电阻		Saturation current (A) 饱和电流 ※2	Temperature rise current (A) 温升电流 ※3
		Typical	Max		
PK0406-1R0M	1.00 ± 20%	14.5	17.4	4.30	4.58
PK0406-2R2M	2.20 ± 20%	22.0	26.4	2.90	3.48
PK0406-3R3M	3.30 ± 20%	27.0	32.4	2.50	3.17
PK0406-4R7M	4.70 ± 20%	36.8	44.2	2.00	2.83
PK0406-6R8M	6.80 ± 20%	53.3	64.0	1.63	2.27
PK0406-100K	10.0 ± 10%	73.1	87.7	1.40	1.95
PK0406-120K	12.0 ± 10%	86.5	104	1.25	1.84
PK0406-150K	15.0 ± 10%	117	140	1.14	1.48
PK0406-180K	18.0 ± 10%	138	166	1.10	1.37
PK0406-220K	22.0 ± 10%	150	180	1.02	1.26
PK0406-270K	27.0 ± 10%	193	232	0.85	1.15
PK0406-330K	33.0 ± 10%	225	270	0.80	1.08
PK0406-390K	39.0 ± 10%	241	289	0.73	0.98
PK0406-470K	47.0 ± 10%	321	385	0.71	0.88
PK0406-560K	56.0 ± 10%	350	420	0.63	0.84
PK0406-680K	68.0 ± 10%	445	534	0.59	0.71
PK0406-820K	82.0 ± 10%	501	601	0.52	0.68
PK0406-101K	100 ± 10%	661	793	0.47	0.59
PK0406-121K	120 ± 10%	750	900	0.43	0.54
PK0406-151K	150 ± 10%	857	1,028	0.39	0.52
PK0406-181K	180 ± 10%	1,070	1,284	0.37	0.45
PK0406-221K	220 ± 10%	1,186	1,423	0.33	0.44
PK0406-271K	270 ± 10%	1,750	2,100	0.30	0.36
PK0406-331K	330 ± 10%	2,000	2,400	0.27	0.34
PK0406-391K	390 ± 10%	2,160	2,592	0.23	0.32
PK0406-471K	470 ± 10%	2,890	3,468	0.22	0.28
PK0406-561K	560 ± 10%	3,133	3,760	0.18	0.27
PK0406-681K	680 ± 10%	4,280	5,136	0.17	0.23
PK0406-821K	820 ± 10%	4,600	5,520	0.16	0.22
PK0406-102K	1,000 ± 10%	6,520	7,824	0.14	0.18

■ 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。

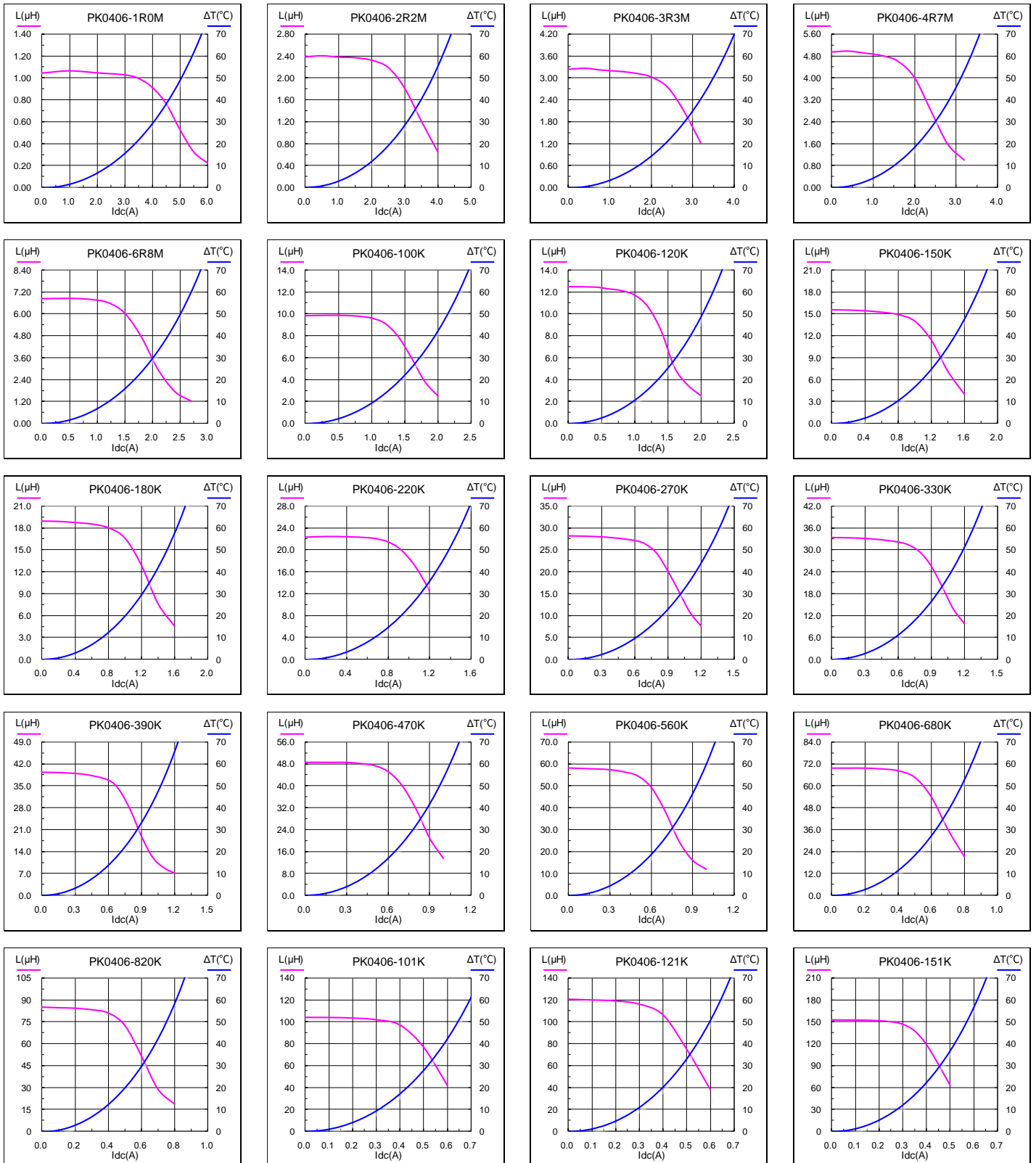
※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).

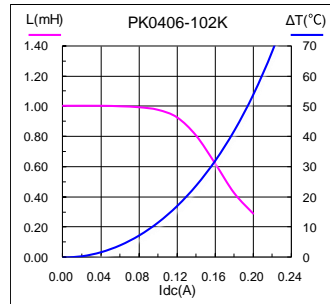
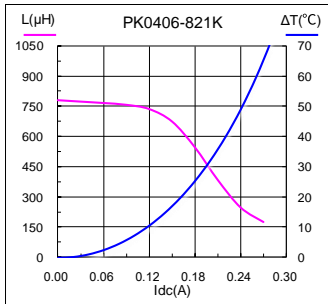
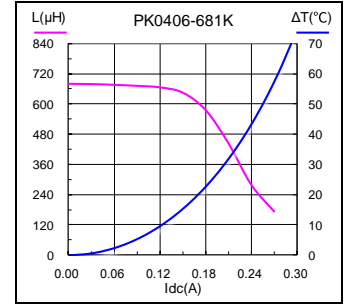
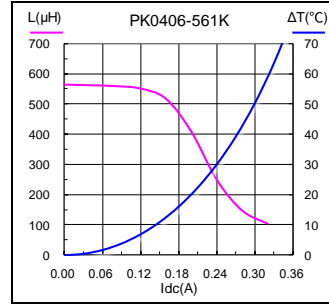
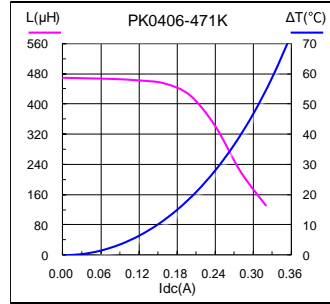
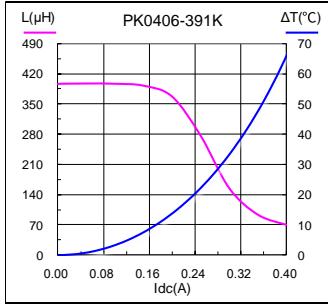
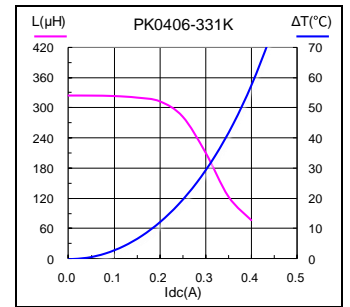
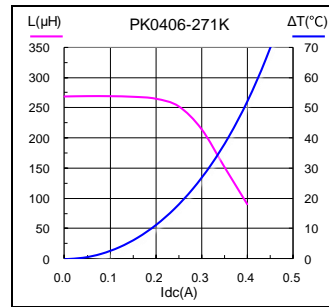
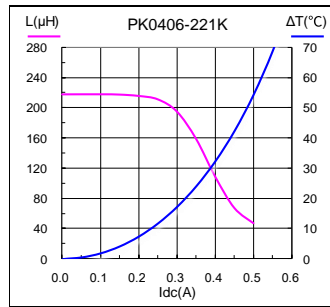
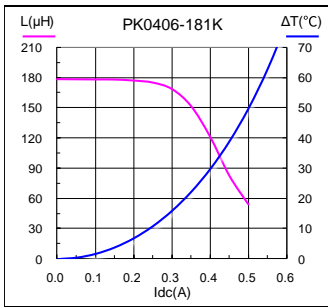
温升电流: 使产品温度上升到 ΔT40°C 时所加载的实际直流电流值(Ta=25°C)。

※ 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 ΔT vs Temperature Rise Current Curve
饱和电流 vs 温升电流曲线

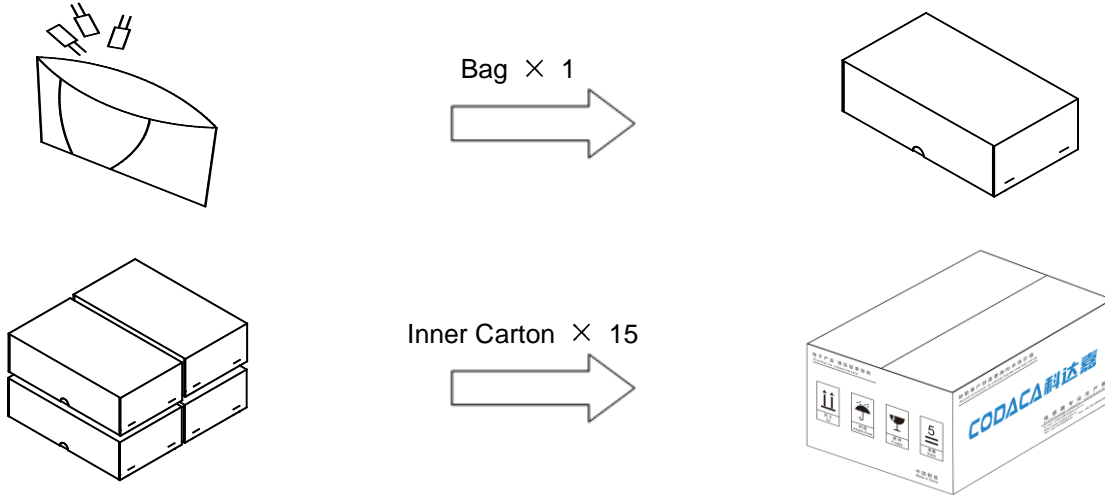




7 Packing Specification

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: 145×80×40mm
内包装箱

■ Out Carton : 275×232×255mm
外包装箱

Product Series 产品系列	Quantity / Bag 数量 / 袋	Inner Carton Quantity 内盒 包装数量	Out Carton Quantity 外箱 包装总数量
PK0406	600pcs	(600×15) = 9000pcs	(9000×1) = 9000pcs

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