

承认书

SPECIFICATION FOR APPROVAL

客户名称:

Customer Name: _____

客户料号:

Customer P/N: _____

产品名称:

贴片电感

Product Name: _____

产品料号:

OLIM6030系列

Product P/N: _____

客户承认栏 APPROVED FOR CUSTOMER	DRAWN (制图)	CHECKED (检查)	APPROVED (确认)
	邓晓婷	王剑锋	李凯豪
	2025-08-19	2025-08-19	2025-08-19

确认无误后敬请签回 (Please Return After Approved)

深圳市一络电子科技有限公司

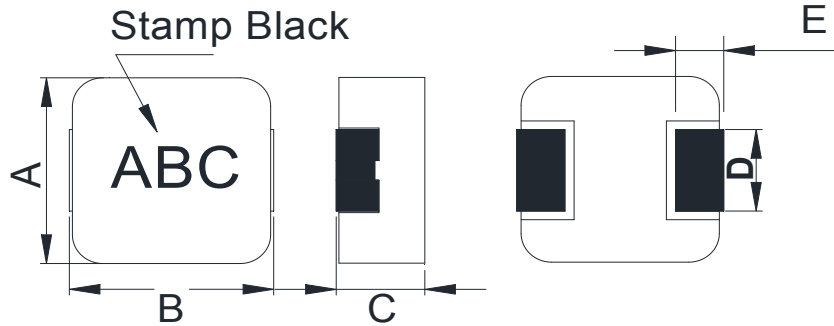
联系人: 严小姐 13528791609

SPECIFICATION

RoHS Compliance

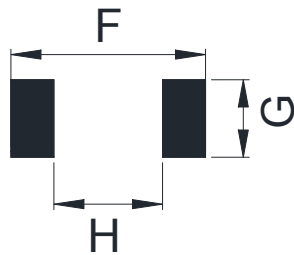
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1. DIMENSIONS (UNIT : mm)



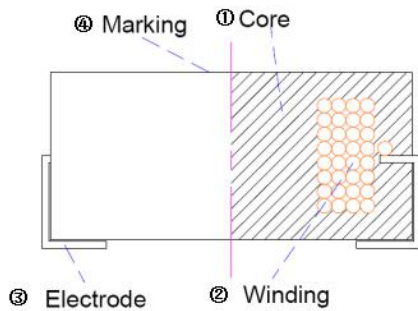
A	B	C	D	E
6.6±0.3	7.1 ±0.3	3.0 MAX	3.0 ±0.3	1.6 ±0.5

2. RECOMMENDED LAND PATTERN (UNIT: mm)



F	8.4 Ref.
G	3.5 Ref.
H	3.7 Ref.

3. STRUCTURE



No.	PARTS	MATERIAL
①	CORE	Alloy powder
②	WIRE	Self bonding polyamide-imide enameled Copper Wire
③	ELECTRODE	Cu
④	MARKING	INK

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4.CHARACTERISTICS

No.	OneLord P/N.	Inductance (μ H)	Stamp	D.C.R. (m Ω) Max.	Saturation current (A)Typ.	Temperature rise current(A)Typ. (Δ T \leq 40 $^{\circ}$ C)
01	OLIM6030-R22M	0.22 \pm 20%	R22	2.8	40	23.0
02	OLIM6030-R33M	0.33 \pm 20%	R33	4.2	30	20.0
03	OLIM6030-R47M	0.47 \pm 20%	R47	5.5	27	14.0
04	OLIM6030-R68M	0.68 \pm 20%	R68	6.3	24	13.0
05	OLIM6030-R82M	0.82 \pm 20%	R82	8.0	23	12.5
06	OLIM6030-1R0M	1.0 \pm 20%	1R0	10	22	12.0
07	OLIM6030-1R5M	1.5 \pm 20%	1R5	15	18	9.5
08	OLIM6030-2R2M	2.2 \pm 20%	2R2	20	14	8.5
09	OLIM6030-3R3M	3.3 \pm 20%	3R3	35	12	6.0
10	OLIM6030-4R7M	4.7 \pm 20%	4R7	40	9.0	5.5
11	OLIM6030-5R6M	5.6 \pm 20%	5R6	40	8.0	5.5
12	OLIM6030-6R8M	6.8 \pm 20%	6R8	60	7.0	4.5
13	OLIM6030-8R2M	8.2 \pm 20%	8R2	60	6.0	4.5
14	OLIM6030-100M	10 \pm 20%	100	68	5.5	4.0
15	OLIM6030-150M	15 \pm 20%	150	122	5.0	3.0
16	OLIM6030-220M	22 \pm 20%	220	145	3.2	3.0
17	OLIM6030-330M	33 \pm 20%	330	270	3.0	2.0

* Testing instrument: Inductance HP 4284A or equivalent at 100KHz /1V..

D.C.R : TH2512B or equivalent. (Ta= 25 $^{\circ}$ C)

Saturation current: WK 3260B+3265B or equivalent.

* Saturation Current (Isat) will cause L0 to drop approximately 30% from its value without current. (Ta=25 $^{\circ}$ C)

* The temperature rise current value is the DC current value having temperature increase up to approximately 40 $^{\circ}$ C (Ta=25 $^{\circ}$ C)

* Absolute maximum voltage 30VDC

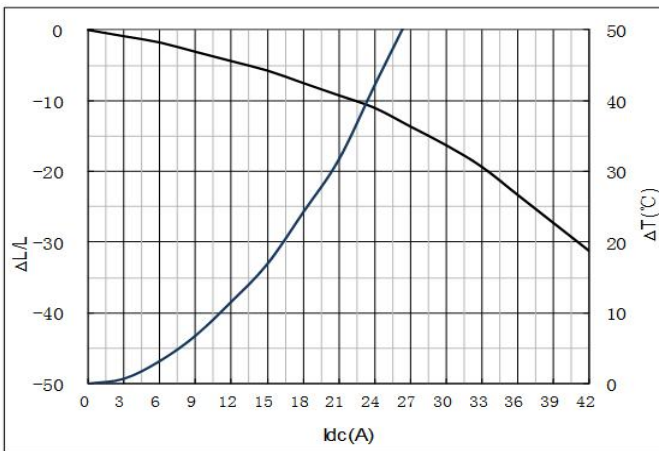
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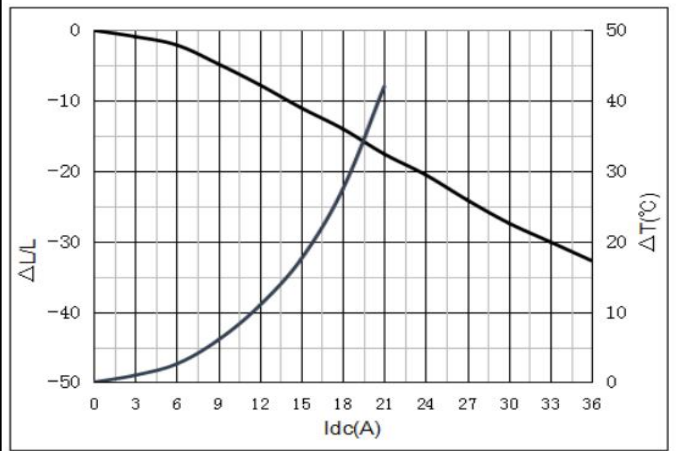


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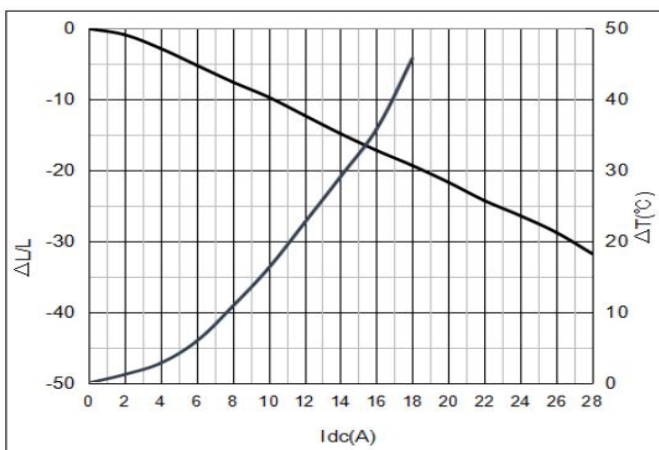
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OLIM6030-R33M



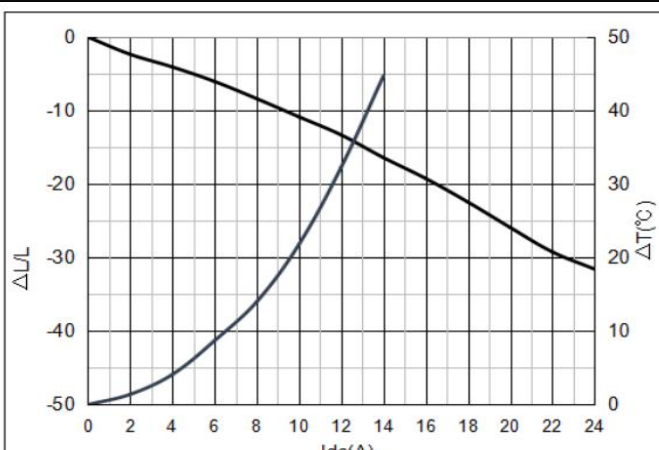
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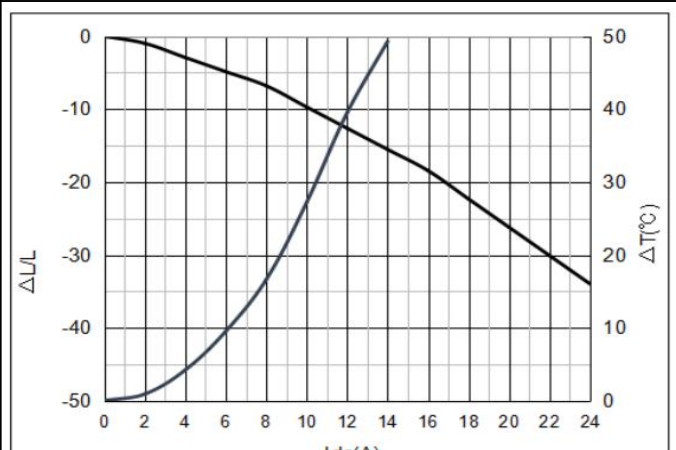
OLIM6030-R68M



OLIM6030-R82M



OLIM6030-1R0M



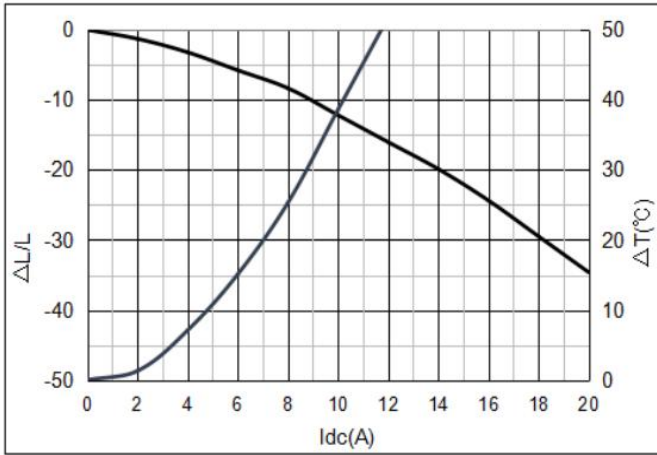
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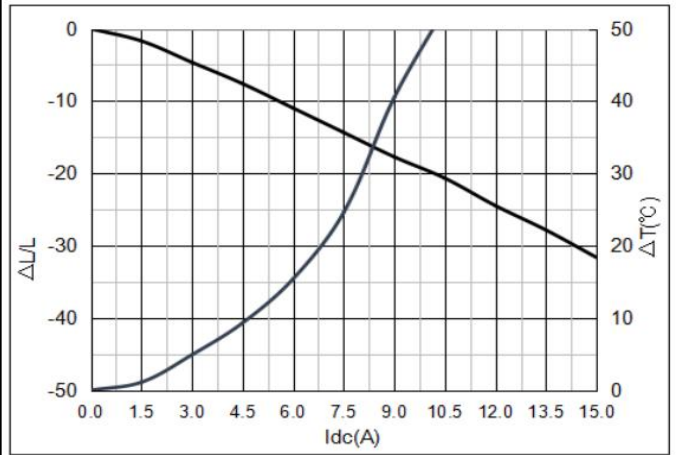
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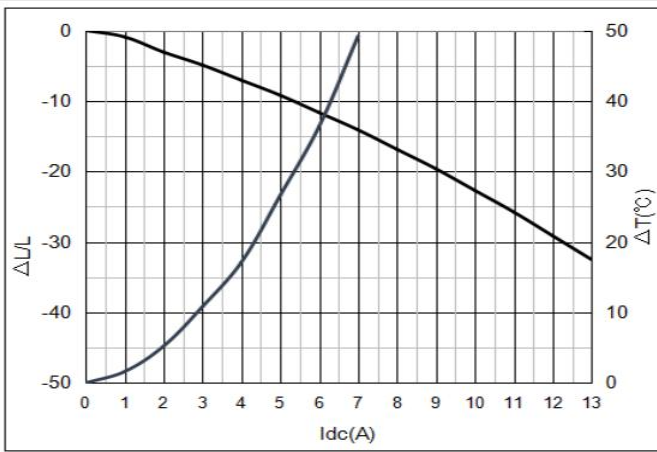
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OLIM6030-2R2M



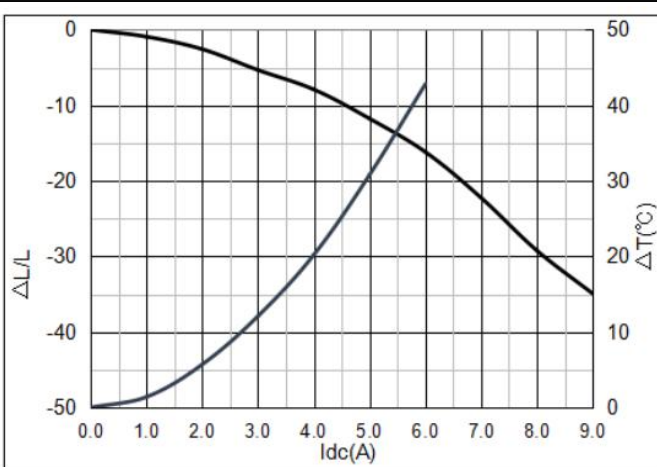
OLIM6030-3R3M



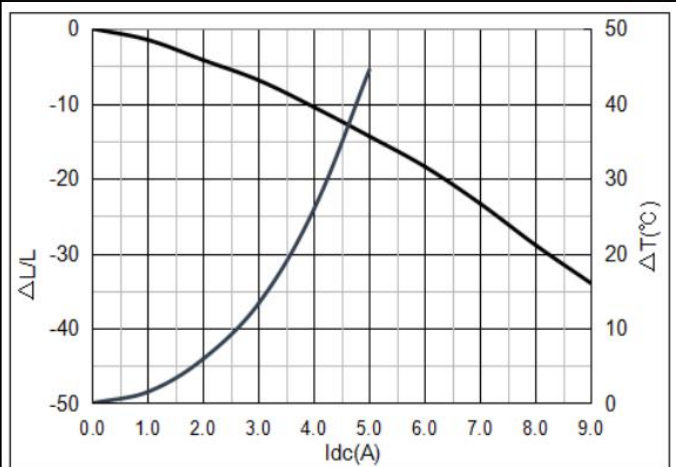
OLIM6030-4R7M



OLIM6030-5R6M



OLIM6030-6R8M



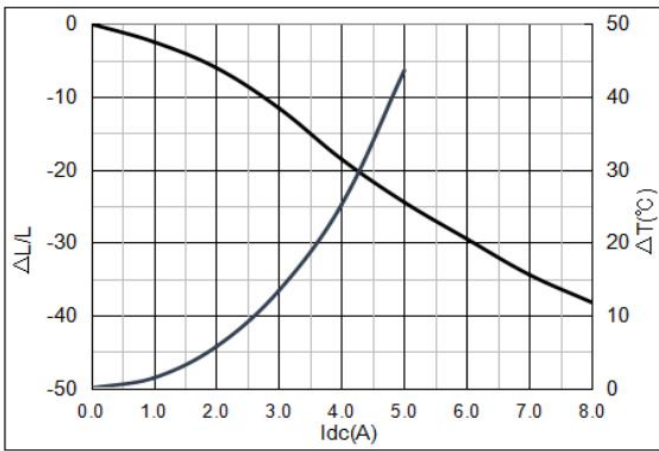
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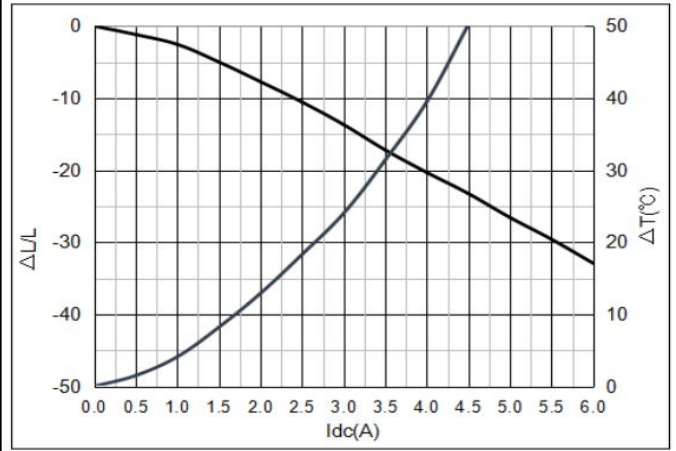
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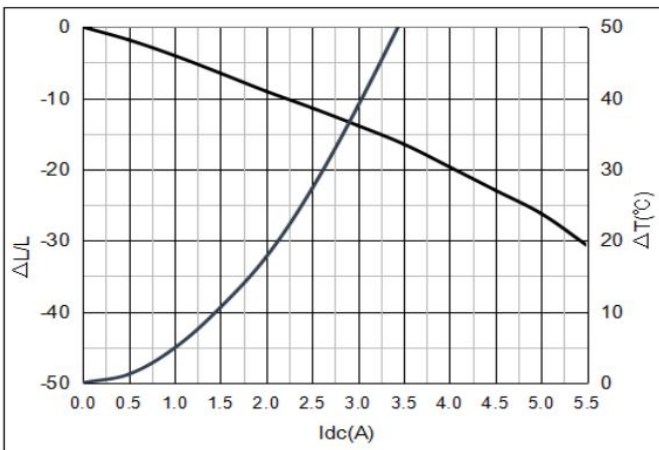
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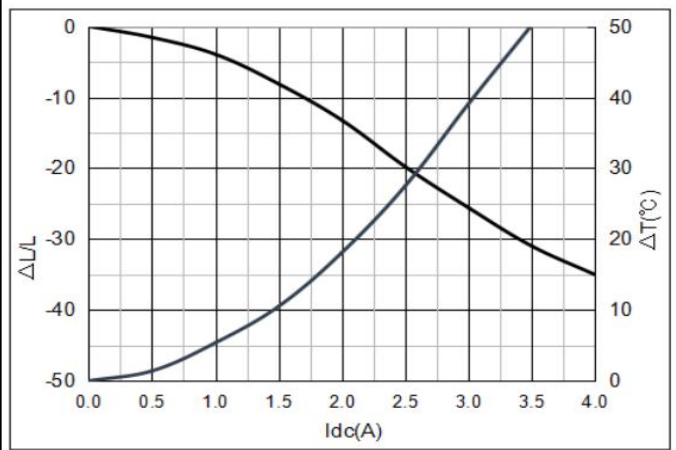
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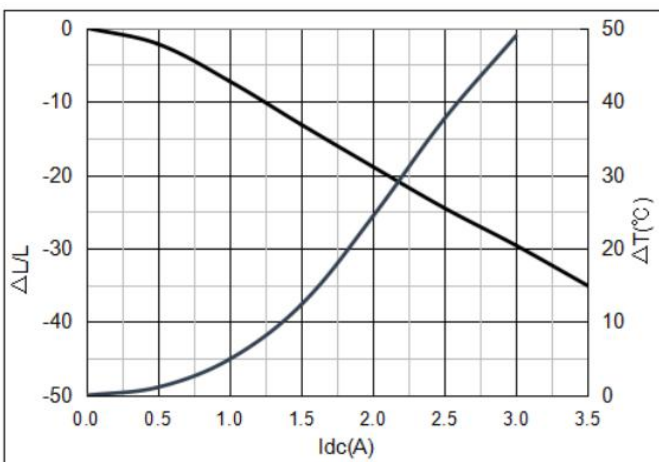
OLIM6030-150M



OLIM6030-220M



OLIM6030-330M



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5. GENERAL CHARACTERISTICS

* STANDARD TESTING CONDITIONS:

UNLESS OTHERWISE SPECIFIED, THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MEASUREMENTS AND TESTS ARE AS FOLLOWS: AMBIENT TEMPERATURE: 15°C~35°C.

RELATIVE HUMIDITY : 25% ~85%. AIR PRESSURE : 86kPa ~106kPa.

IF THERE IS ANY DOUBT ABOUT THE RESULTS, MEASUREMENT SHALL BE MADE WITHIN THE FOLLOWING LIMITS: AMBIENT TEMPERATURE: 20°C±1°C. RELATIVE HUMIDITY: 63% ~67%.

AIR PRESSURE : 86kPa ~106kPa.

No.	ITEMS	CONDITIONS	SPECIFICATION
1	OPERATION TEMPERATURE STORAGE TEMPERATURE		-40 ~ + 125°C (INCLUDING COIL TEMPERATURE RISE) -40 ~ + 125°C
2	TEMPERATURE COEFFICIENT	-30 ~ +105°C	0 ~ 2000 ppm/°C
3	FIXING STRENGTH	SAMPLE IS PUSHED IN THREE DIRECTIONS OF X, Y AND Z WITH FORCE OF 5. 0N FOR 10±5 SECONDS. AFTER SOLDERING BETWEEN COPPER PLATE AND ELECTRODES.	NO ELECTRODE DETACHMENT.
4	RESISTANCE TO SOLDERING HEAT TEST	REFER TO THE SPEC "STD-001NP".	NO MECHANICAL BREAKAGE. DEVIATION RELATIVE TO INITIAL VALUE: L: WITHIN ±10%
5	SOLDERABILITY TEST	IMMERSE THE ELECTRODE IN FLUX FOR 5 SECONDS. THEN DIP THE ELECTRODE INTO A SOLDERING BATH OF 245±5°C FOR 2±0.5 SECONDS.	OVER 95% OF THE SURFACE BEING IMMersed SHALL BE COVERED WITH NEW SOLDER UNIFORMLY.
6	VIBRATION TEST	AMPLITUDE: 1.5mm P-P FREQUENCY:10~55~10Hz (1 MINUTE PER CYCLE) DURATION: 1 HOUR IN EACH OF X, Y, Z AXIS.	DEVIATION RELATIVE TO INITIAL VALUE: L: WITHIN ±10%
7	HUMIDITY TEST	TEMPERATURE: 40°C±2°C HUMIDITY: 90%~95%RH DURATION: 96±4 HOURS.	DEVIATION RELATIVE TO INITIAL VALUE: L: WITHIN ±10%
8	THERMAL SHOCK TEST	20 CYCLES OF +105°C FOR 30 MINUTES, -40°C FOR 30 MINUTES. CHARACTERISTICS ARE MEASURED AFTER THE AMBIENT AIR EXPOSURE OF 1 HOUR	DEVIATION RELATIVE TO INITIAL VALUE: L: WITHIN ±10%
9	HIGH TEMPERATURE STORAGE TEST	TEMPERATURE: 125°C±2°C DURATION: 96±4 HOURS	
10	LOW TEMPERATURE STORAGE TEST	TEMPERATURE: -40°C±3°C DURATION: 96±4 HOURS.	

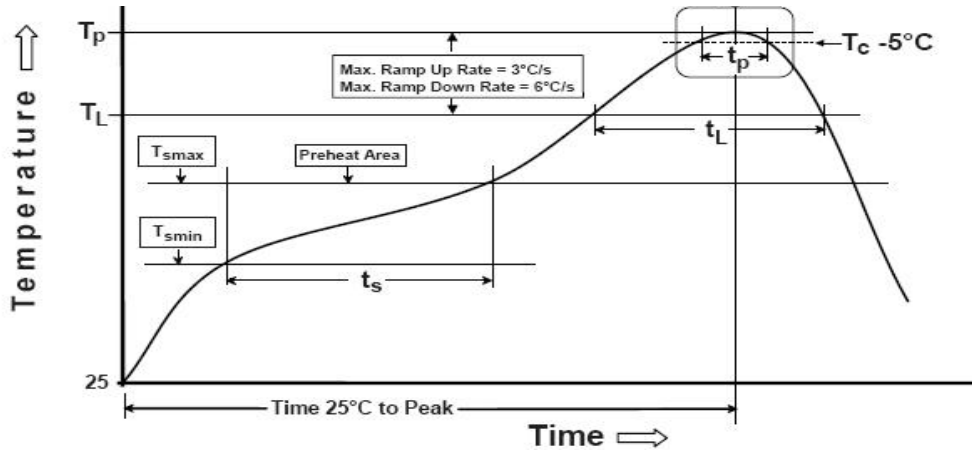
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6. Reflow profile for SMT components



Reflow is referred to standard IPC/ JEDEC J-STD-020D

Profile Feature		Lead(Pb) Free solder
Preheat and soak	·temperature Min.(Tsmmin)	150°C
	·temperature Max.(Tsmmax)	200°C
	·time(Tsmmin to Tsmmax)(ts)	60-120 Seconds
Average ramp up rate Tsmmax to Tp		3°C/Second Max.
Liquidous temperature (TL)		217 °C
Time (TL) maintained above TL		60-150 seconds
Peak package body temperature (Tp)		Table2
Time (tp)* within 5 °C of the specified classification temperature (Tc)		30* seconds
Average Ramp-down rate (Tp to TL)		6 °C/second max
Time 25 °C to peak temperature		8 minutes max.

Table2. Pb-Free Process - Classification Temperatures (Tc)

Package Thickness	Volume mm ³ <350	Volume mm ³ 350~2000	Volume mm ³ >2000
<1.6 mm	260°C	260°C	260°C
1.6mm- 2.5mm	260°C	250°C	245°C
>2.5 mm	250°C	245°C	245°C

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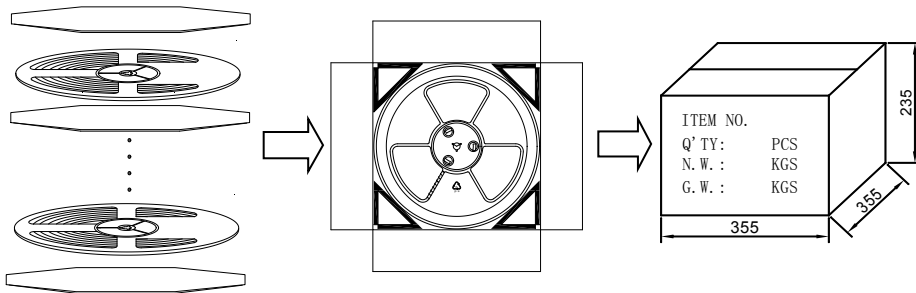
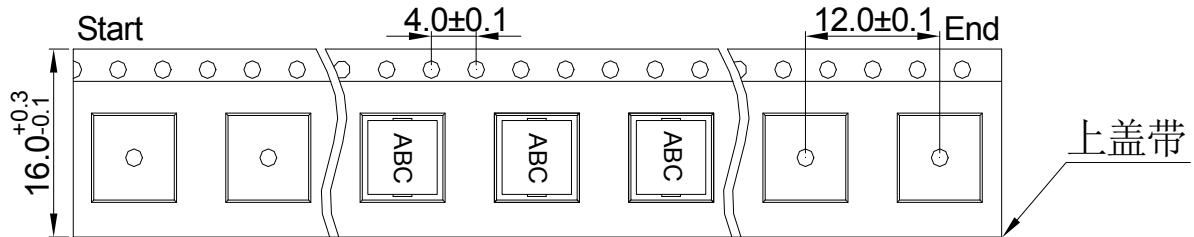
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7. PACKING

REFER TO STANDARD PACKING DRAWING. 1000PCS/R



REEL	1000PCS
BOX	8000PCS

8. NOTE

SOLDERING TIN PERIOD OF VALIDITY: SIX MONTHS
 STORAGE TEMPERATURE: 25°C±5°C
 COMPARATIVELY HUMIDITY: 35%--70%

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