

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:

OLIM5030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)			

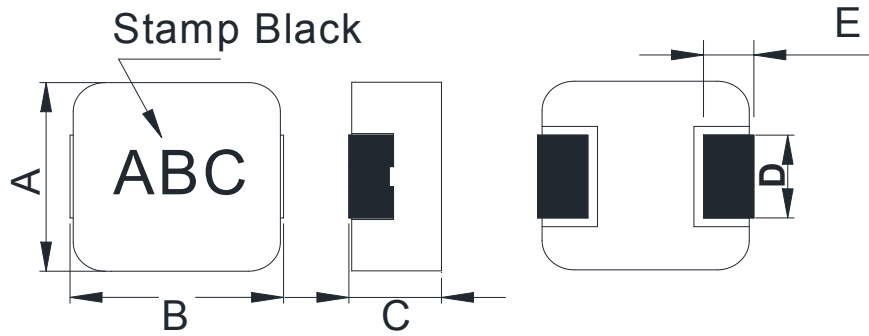
深圳市一络电子科技有限公司

联系人: 严小姐 13528791609

SPECIFICATION

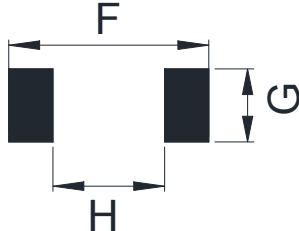
Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	1/8

1. DIMENSIONS (UNIT : mm)



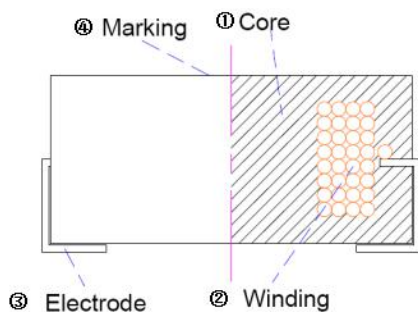
A	B	C	D	E
5.4±0.35	5.7±0.20	3.0 Max.	2.0±0.30	1.5±0.30

2. RECOMMENDED LAND PATTERN (UNIT: mm)



F	6.0 Ref.
G	2.5 Ref.
H	2.2 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

APPROVAL	CHECK	DESIGN	

SPECIFICATION

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	2/8

4.CHARACTERISTICS

No.	OneLord P/N.	Inductance (μH)	Stamp	D.C.R. (mΩ) Max.	Saturation current (A)Typ.	Temperature rise current(A)Typ. (ΔT≦40℃)
01	OLIM5030-R22M	0.22±20%	R22	5.0	21	15.5
02	OLIM5030-R33M	0.33±20%	R33	7.0	15	10
03	OLIM5030-R47M	0.47±20%	R47	8.0	14	10
04	OLIM5030-R56M	0.56±20%	R56	10	14	9
05	OLIM5030-R68M	0.68±20%	R68	12	14	8
06	OLIM5030-R82M	0.82±20%	R82	13	12	7.5
07	OLIM5030-1R0M	1.0±20%	1R0	15	11	7.0
08	OLIM5030-1R2M	1.2±20%	1R2	16	11	6.5
09	OLIM5030-1R5M	1.5±20%	1R5	25	10	6.0
10	OLIM5030-2R2M	2.2±20%	2R2	35	8	5.0
11	OLIM5030-3R3M	3.3±20%	3R3	46	7	4.5
12	OLIM5030-4R7M	4.7±20%	4R7	60	6	4.0
13	OLIM5030-5R6M	5.6±20%	5R6	65	5.5	4.0
14	OLIM5030-6R8M	6.8±20%	6R8	110	5.0	3.0
15	OLIM5030-8R2M	8.2±20%	8R2	110	4.5	2.8
16	OLIM5030-100M	10±20%	100	126	4.5	2.5
17	OLIM5030-150M	15±20%	150	180	2.5	2.1
18	OLIM5030-220M	22±20%	220	270	2.0	2.0

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

D.C.R : TH2512B or equivalent. (Ta= 25℃)

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

* Saturation Current (Isat) will cause L0 to drop approximately 30% from its value without current. (Ta=25℃)

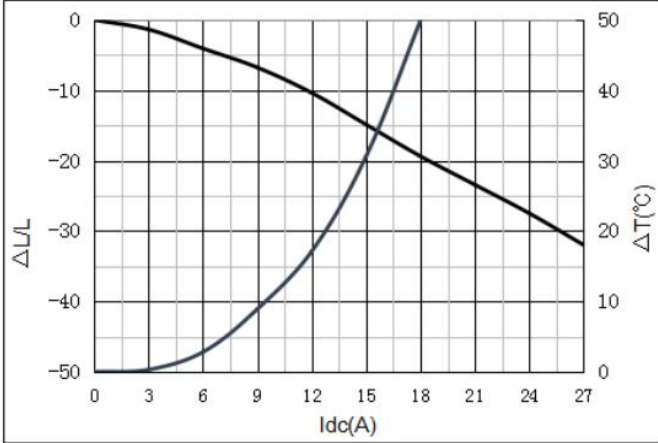
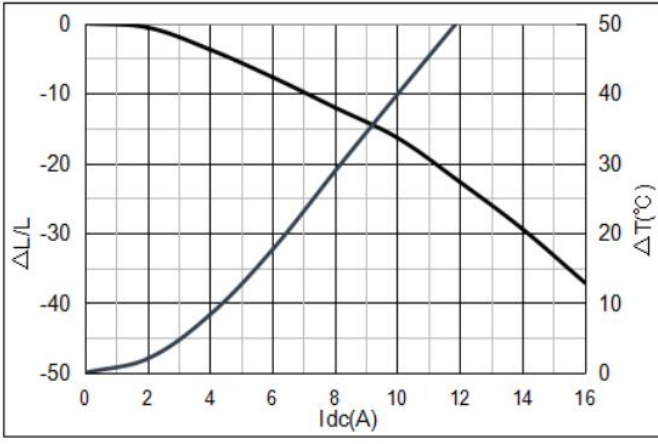
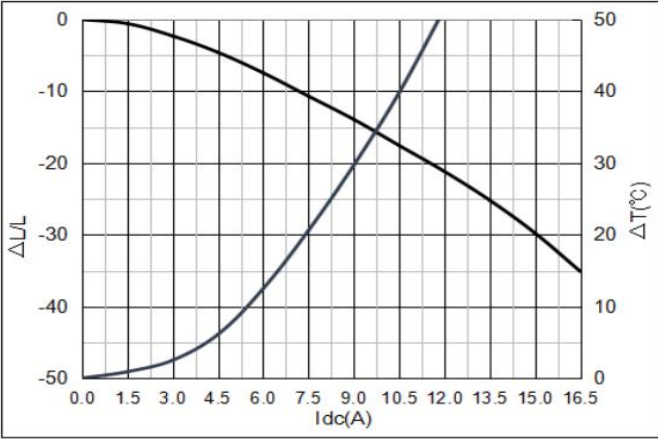
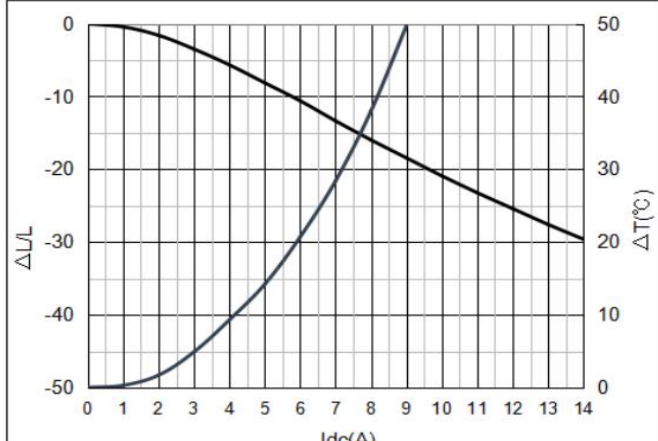
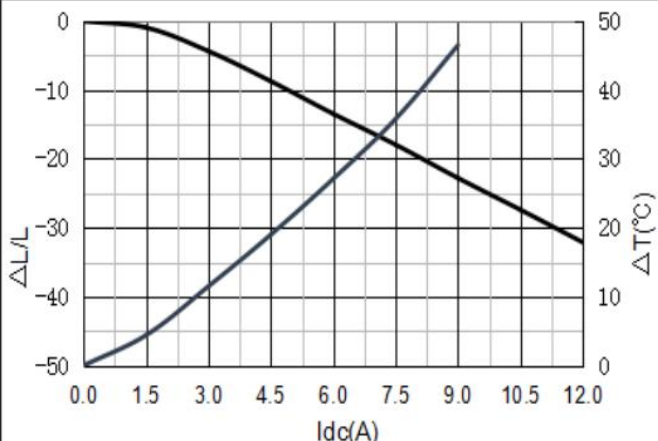
* The temperature rise current value is the DC current value having temperature increase up to approximately 40℃(Ta=25℃)

* Absolute maximum voltage 30VDC

APPROVAL	CHECK	DESIGN	

SPECIFICATION

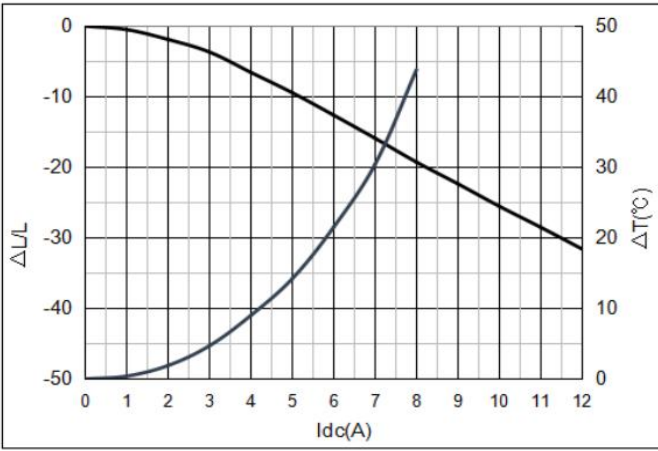
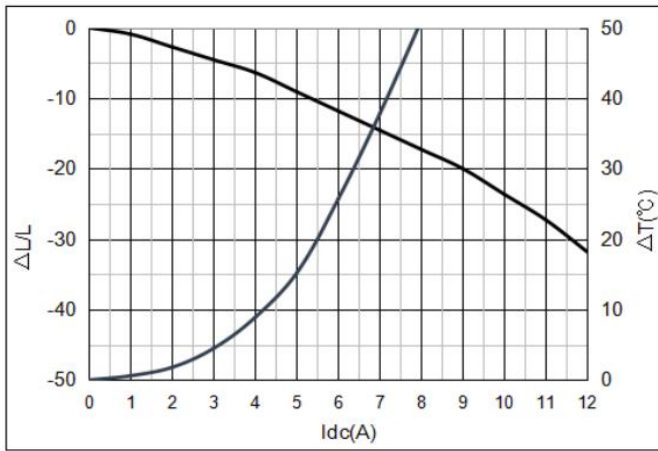
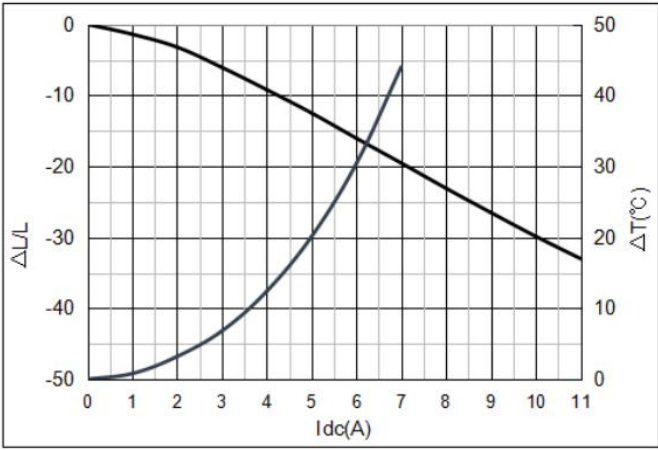
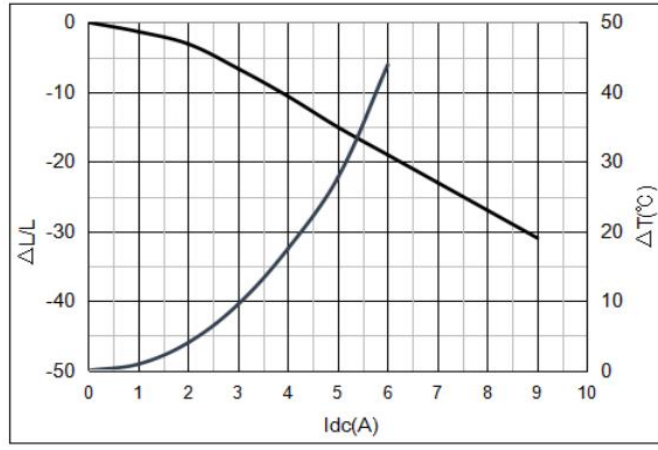
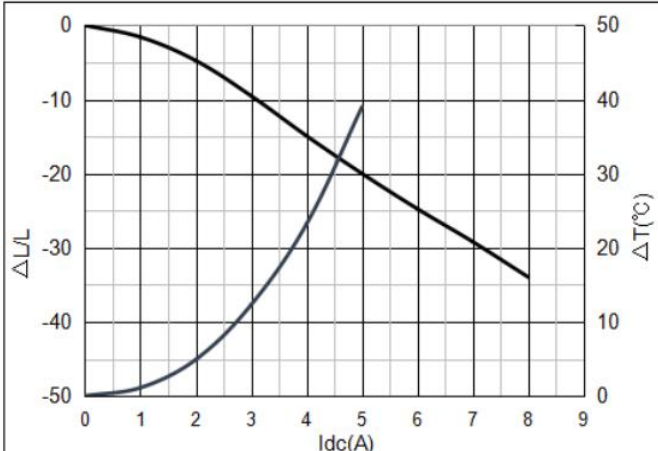
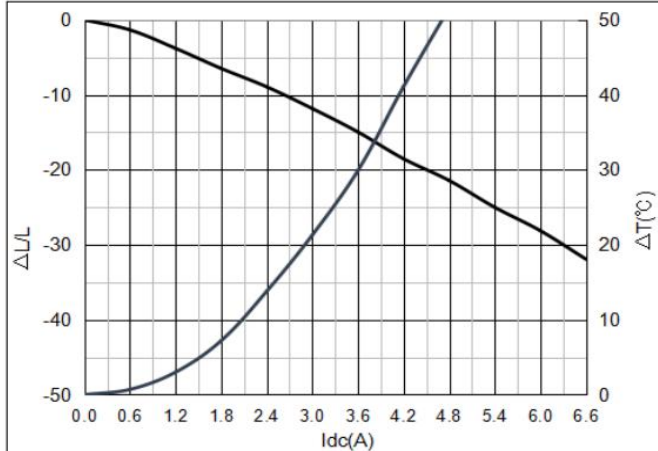
RoHS Compliance

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	3/8
OLIM5030-R22M			OLIM5030-R33M				
							
OLIM5030-R47M			OLIM5030-R56M				
							
OLIM5030-R68M			OLIM5030-R82M				
							
APPROVAL	CHECK	DESIGN					

ONELORD ELECTRONICS CO.,LIMITED

SPECIFICATION

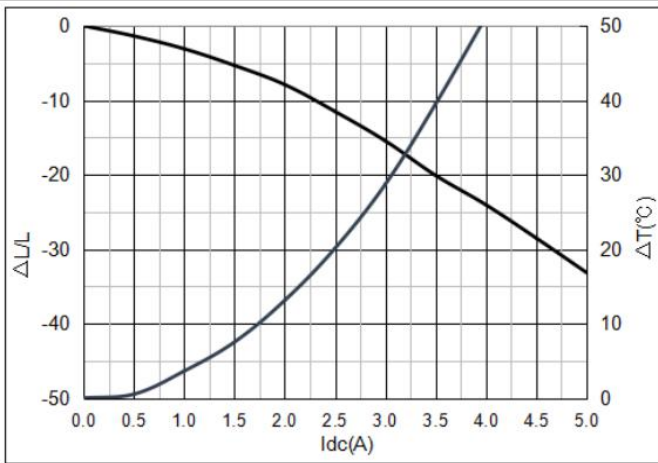
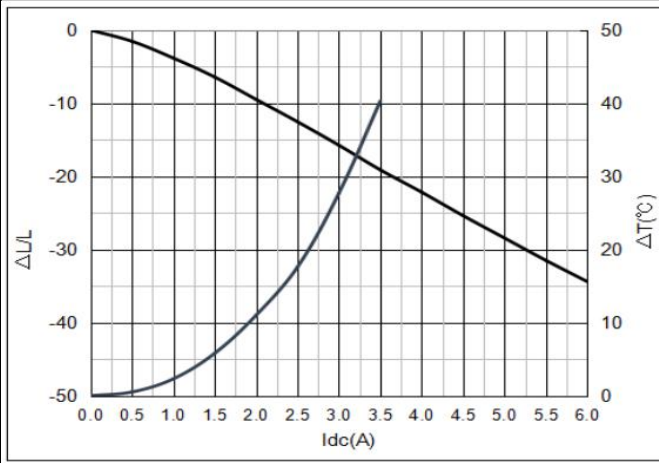
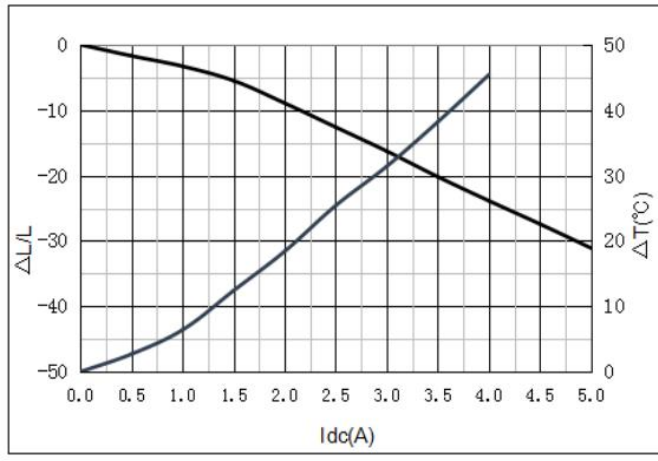
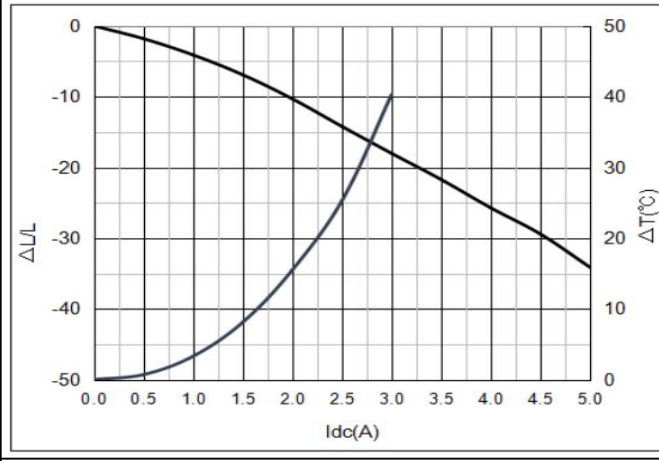
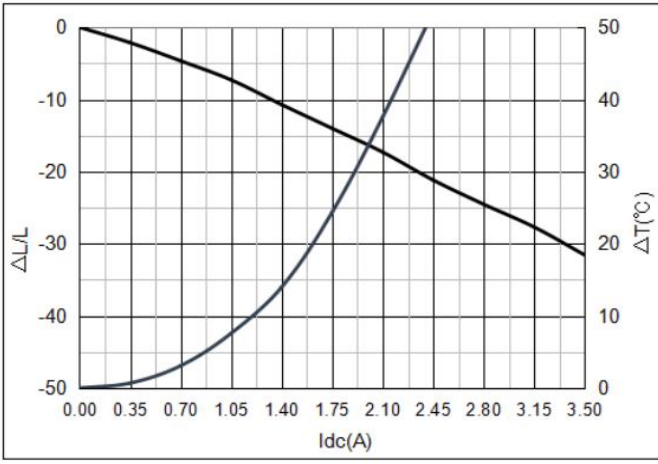
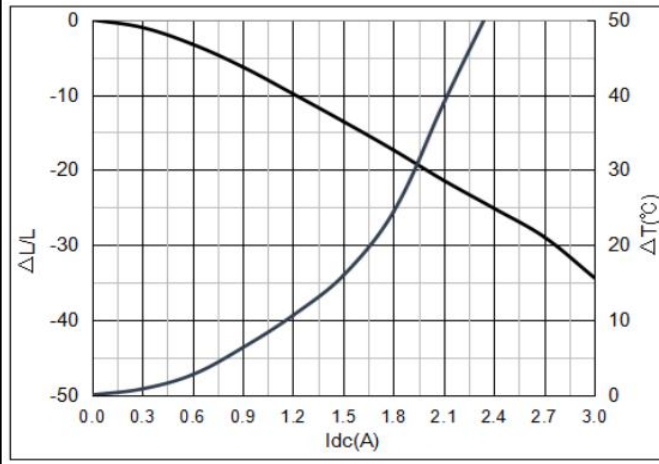
RoHS Compliance

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	4/8
OLIM5030-1R0M			OLIM5030-1R2M				
							
OLIM5030-1R5M			OLIM5030-2R2M				
							
OLIM5030-3R3M			OLIM5030-4R7M				
							
APPROVAL	CHECK	DESIGN					

ONELORD ELECTRONICS CO.,LIMITED

SPECIFICATION

RoHS Compliance

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	5/8
OLIM5030-5R6M				OLIM5030-6R8M			
							
OLIM5030-8R2M				OLIM5030-100M			
							
OLIM5030-150M				OLIM5030-220M			
							
APPROVAL	CHECK	DESIGN					

ONELORD ELECTRONICS CO.,LIMITED

SPECIFICATION

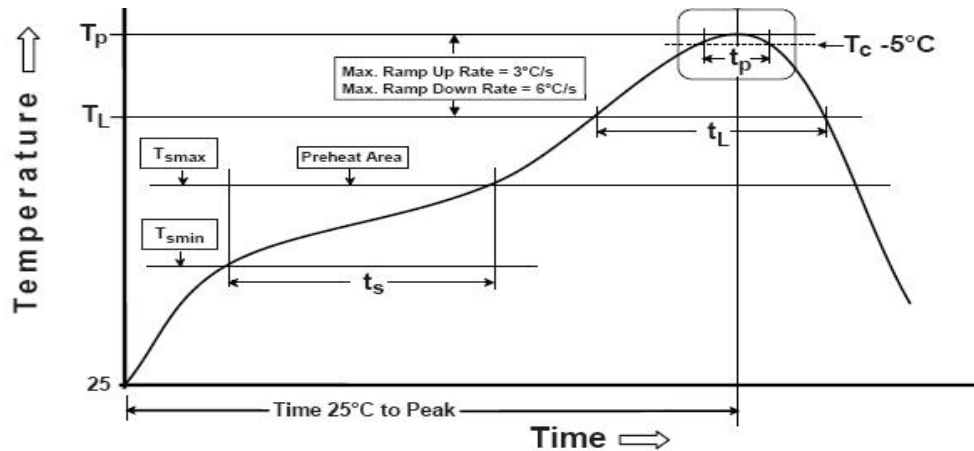
RoHS Compliance

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	6/8
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℃~35℃. 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℃±1℃. RELATIVE HUMIDITY: 63% ~67%. AIR PRESSURE : 86kPa ~106kPa.							
No.	ITEMS	CONDITIONS			SPECIFICATION		
1	OPERATION TEMPERATURE STORAGE TEMPERATURE				-40 ~ + 125℃ (INCLUDING COIL TEMPERATURE RISE) -40 ~ + 125℃		
2	TEMPERATURE COEFFICIENT	-30 ~ +105℃			0 ~ 2000 ppm/℃		
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℃ 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℃±2℃ HUMIDITY: 90%~95%RH DURATION: 96±4 HOURS.			DEVIATION RELATIVE TO INITIAL VALUE: L: WITHIN ±10%		
8	THERMAL SHOCK TEST	20 CYCLES OF +105℃ FOR 30 MINUTES, -40℃ 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℃±2℃ DURATION: 96±4 HOURS					
10	LOW TEMPERATURE STORAGE TEST	TEMPERATURE: -40℃±3℃ DURATION: 96±4 HOURS.					
APPROVAL	CHECK	DESIGN					

SPECIFICATION

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	7/8

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.(T _{smin})	150°C
	·temperature Max.(T _{smax})	200°C
	·time(T _{smin} to T _{smax})(t _s)	60-120 Seconds
Average ramp up rate T _{smax} to T _p		3°C/Second Max.
Liquidous temperature (T _L)		217 °C
Time (T _L) maintained above T _L		60-150 seconds
Peak package body temperature (T _p)		Table2
Time (t _p)* within 5 °C of the specified classification temperature (T _c)		30* seconds
Average Ramp-down rate (T _p to T _L)		6 °C/second max
Time 25 °C to peak temperature		8 minutes max.

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

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

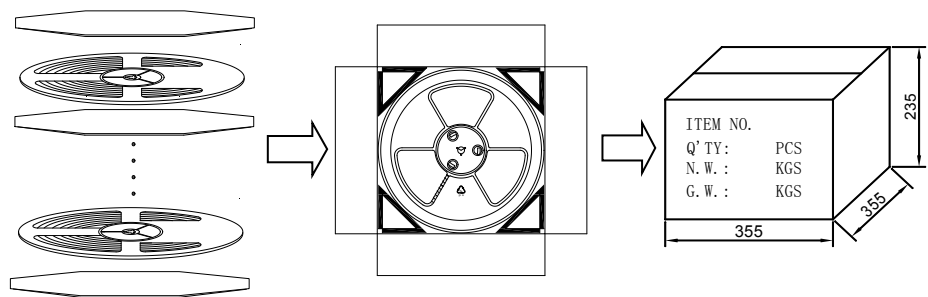
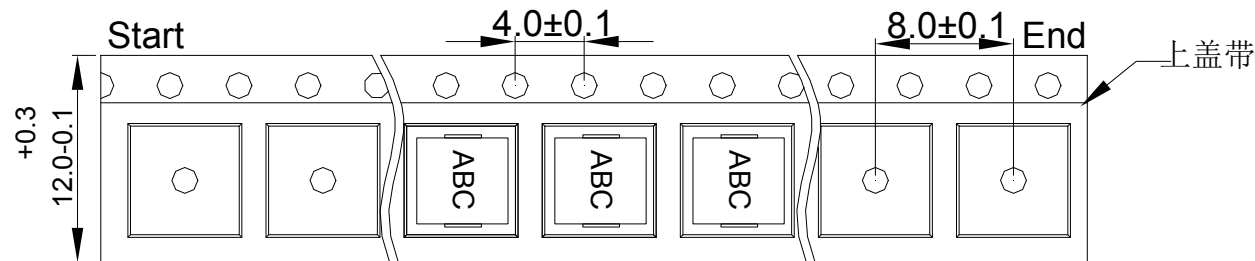
APPROVAL	CHECK	DESIGN	
	/		

SPECIFICATION

Customer	Customer P/No.	OneLord P/No.	File No.	Date of	Customer Rev.	Rev.	Page of
17109		OLIM5030-SERIES	781-0007	2025-08-19	--	01	8/8

7. PACKING

REFER TO STANDARD PACKING DRAWING. 2000PCS/R



REEL	2000PCS
BOX	20000PCS

8. NOTE

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

APPROVAL	CHECK	DESIGN	