

CORPORATION

承 认 书

SPECIFICATION FOR APPROVAL

客户

CUSTOMER: 存货编码:

品 名

DESCRIPTION: SMCM7060 Series 客户料号:

环保状态: ☐RoHS ☐RoHS+HF ☒RoHS+HF+FP

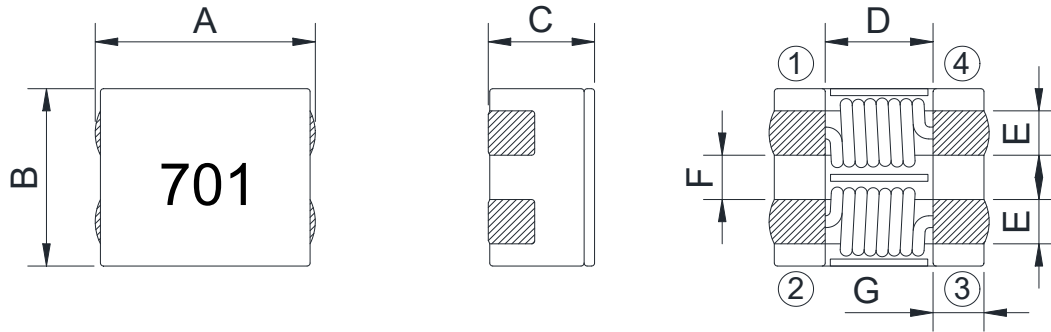
环保资料:

出 图 DRAWING		
发 行 MADE	检 查 CHECKED	承 认 APPROVED
DATE:		

承 认 CUSTOMER APPROVE

1.Appearance and dimensions (mm)

外形尺寸

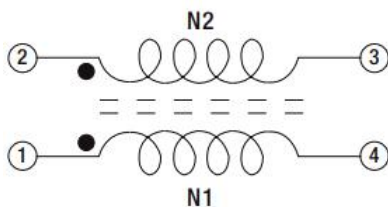


Note: Printing white characters or laser marking
印白字或激光打标

Item	A	B	C	D	E	F	G
Dim	7.0	6.0	3.8	3.5	1.5	1.5	1.7
Tole	±0.5	±0.5	Max	Typ	±0.2	±0.2	±0.2

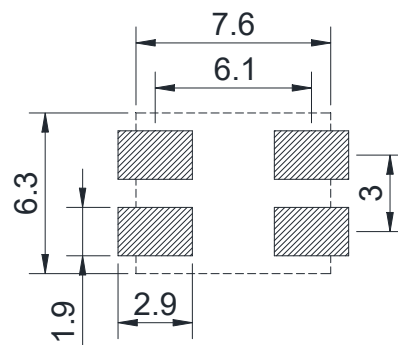
2.Schematic

原理图



3.Reference land pattern (mm)

参考基板尺寸



4.Electrical Properties

电气特性

Part Number 型号	Inductance (uH) Typ. 电感值	Impedance 阻抗值 100MHz/0.1V		D.C.R (mΩ) Max. 直流电阻	Rated Current (A) Max. 额定电流	Rated Voltage (Vdc) Max. 额定电压	Insulation Resistance (MΩ) Min. 绝缘电阻
		Min. Value (Ω)	Typ. Value (Ω)				
SMCM7060-400T	0.4	40	70	5	15	125	10
SMCM7060-101T	0.9	100	140	8	9.0	125	10
SMCM7060-301T	2.4	225	300	10	6.0	125	10
SMCM7060-501T	3.8	300	500	10	5.0	125	10
SMCM7060-701T	4.7	500	700	15	4.0	125	10
SMCM7060-102T	6.0	800	1020	17	3.0	125	10
SMCM7060-132T	8.0	910	1300	21	2.5	125	10
SMCM7060-202T	12	1500	2000	50	1.5	125	10
SMCM7060-272T	14	2000	2700	63	1.0	125	10
SMCM7060-302T	19	2500	3000	75	0.9	125	10
SMCM7060-402T	22	3300	4000	100	0.8	125	10

(1).Inductance test condition: 100KHz/0.1V,All data is tested based on 25°C ambient temperature.

电感量测试条件:100KHz0.1V，所有数据都是根据 25°C环境温度下测试。

(2).Impedance measure condition at 100MHz,0.1V.

共模阻抗测量条件为: 100MHz,0.1V。

(3).Rated current: the value of DC current when the temperature rise is AT40°C(Ta=25°C).

额定电流: 使产品温度上升到ΔT40°C 时所加载的直流电流值(Ta=25°C)。

(4).Operating Temperature: -40°C to +125°C (Temperature rise included).

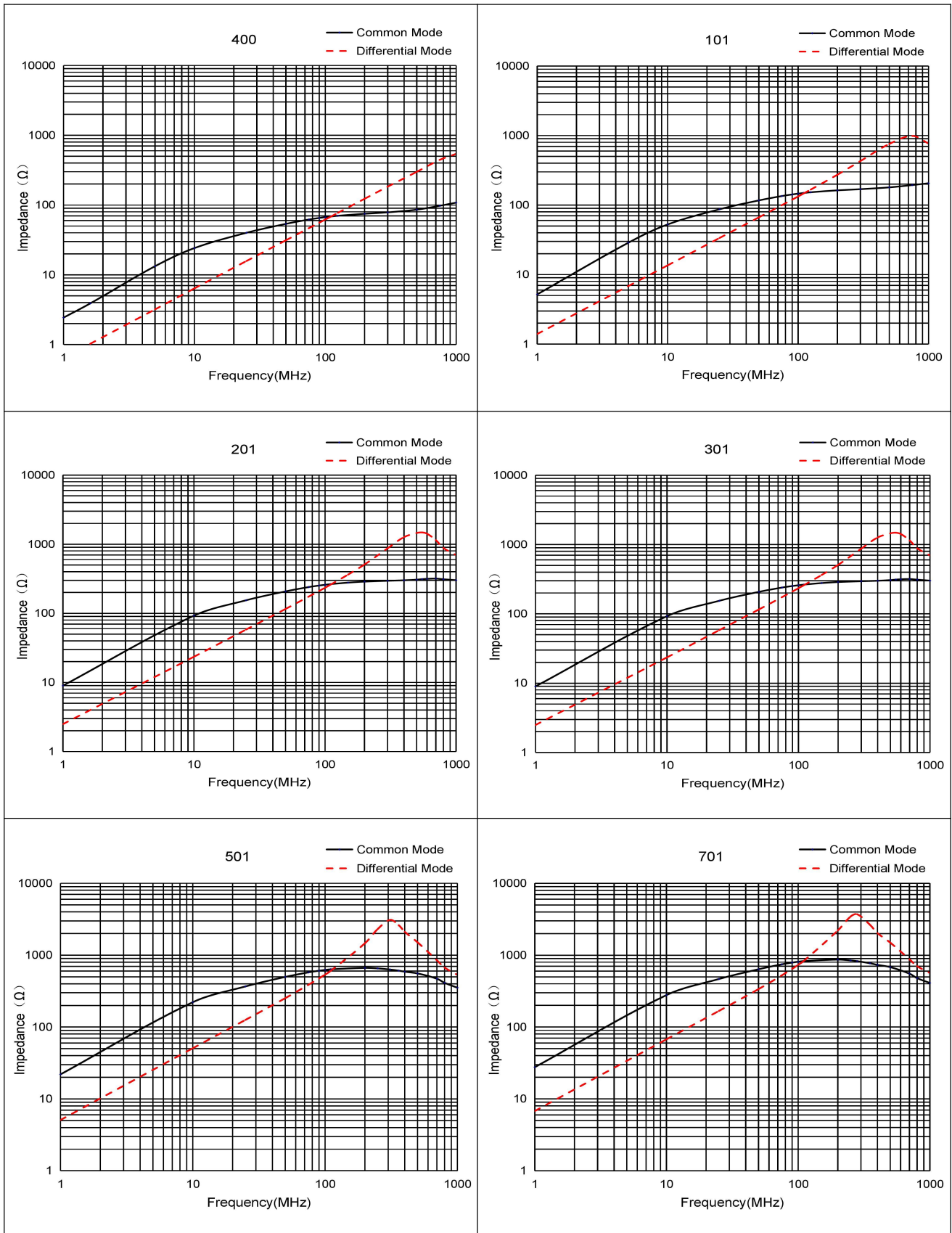
工作温度: -40°C ~ +125°C (包括温升)。

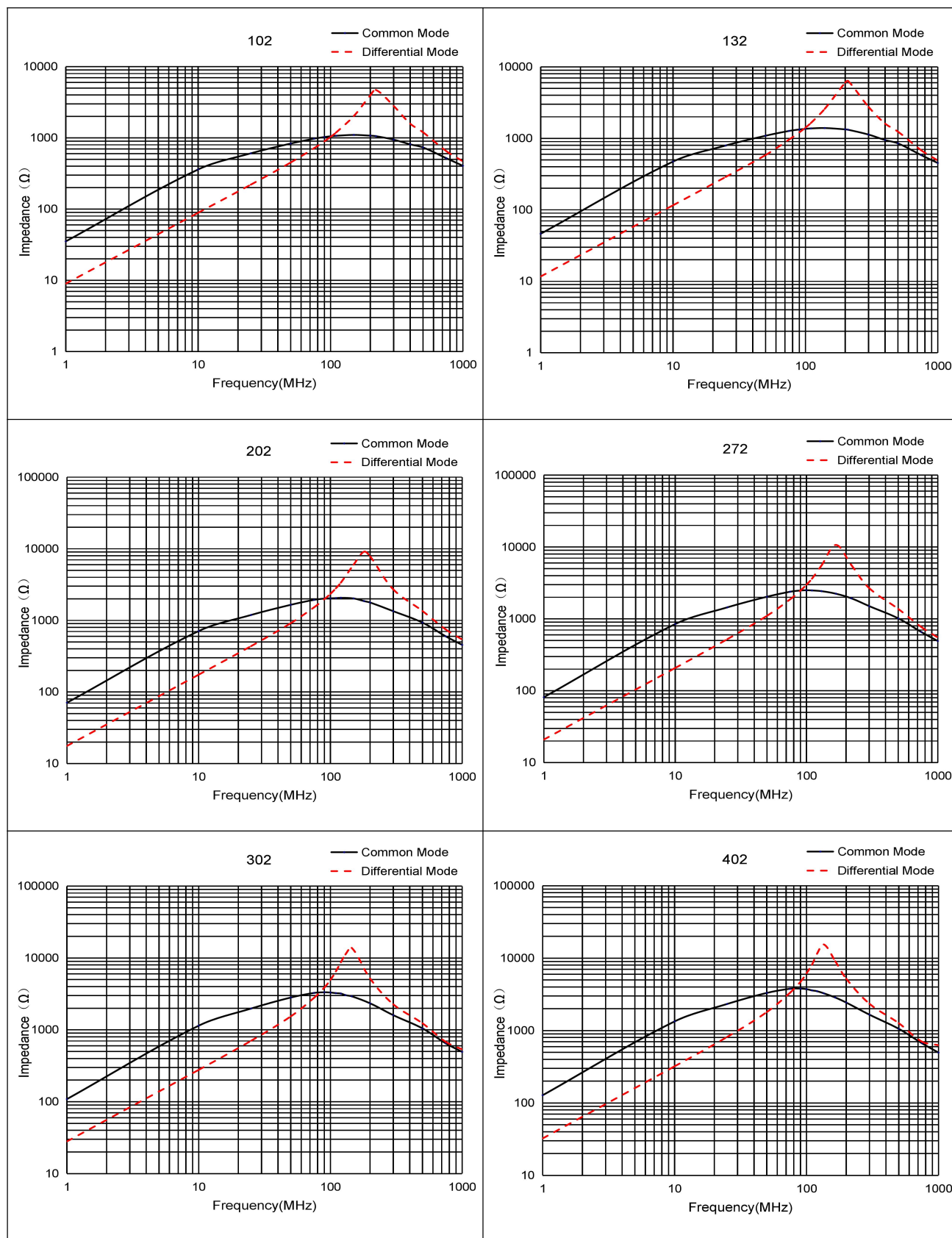
(5).Storage condition: Temperature 5 to 40°C, RH≤70%.

储存条件: 温度 5~40°C，相对湿度小于等于≤70%。

5.Impedance vs Frequency Curve

阻抗值 VS 频率曲线





6.Material list

材料清单

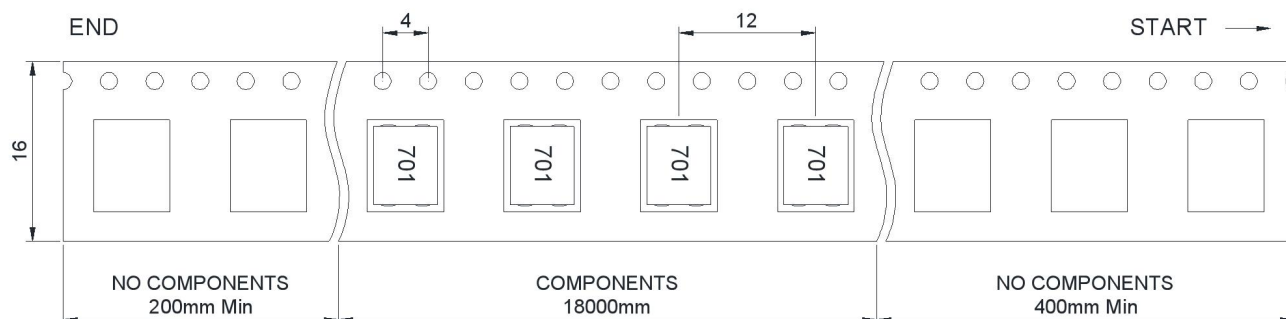
No. 编号	ITEM 项目	DESCRIPTION 描述
1	CORE	FERRITE
2	COVER	LCP E4008
3	WIRE	2UEW-H
4	ADHESIVE	FH-5890
5	TIN	Sn100%
6	INK	WHITE

7.Packing Specification

包装规格

(1).Tape Direction (mm)

编带方向



(2).Cover Tape Peel Off Condition

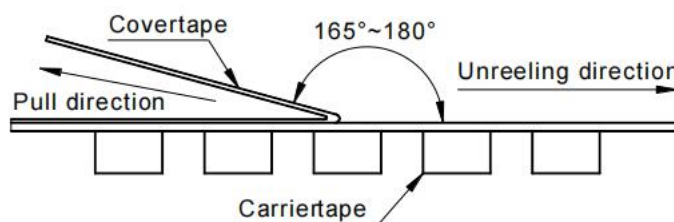
盖带剥离条件

■ Cover tape peel force shall be 10g to 130g.

盖带剥离力度为 10~130 克

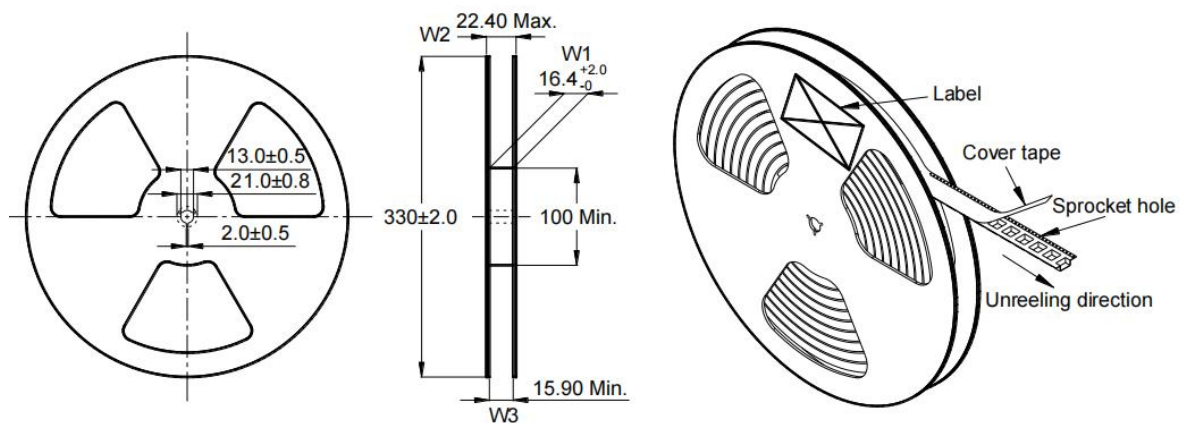
■ Reference peel speed 300±10mm/min.

参考剥离速度为 300±10mm/分钟



(3). Reel Dimensions (mm)

卷盘尺寸(mm)



(4). Carton Dimensions and Packing Quantity

包装箱尺寸和包装数量

■ Inner Carton: 340x340x70mm

内包装盒

■ Out Carton: 360x360x240mm

外包装箱

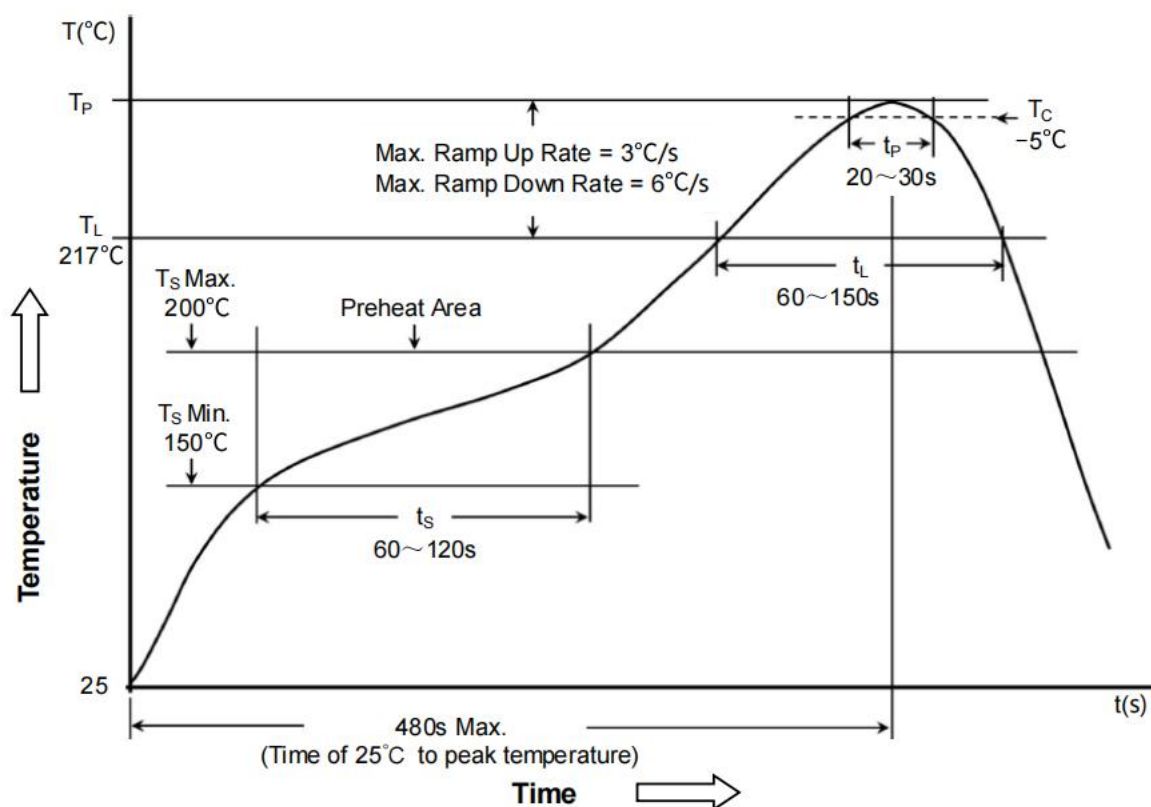
Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
SMCM7060-102T	1500pcs	$(1500 \times 3) = 4500$ pcs	$(4500 \times 3) = 13500$ pcs

8. Soldering Specification

焊接规格

(1).Reflow Profile for SMT Components

SMT 焊锡温度曲线



(2).Classification of Peak Package Body Temperature (T_P)

封装体峰值温度 (T_P)分类

	Package Thickness 封装厚度	Package Volume 封装体积		
		$<350 \text{ mm}^3$	$350 \sim 2000 \text{ mm}^3$	$>2000 \text{ mm}^3$
PB-Free Assembly 无铅装配	$<1.6\text{mm}$	260°C	260°C	260°C
	$1.6 \sim 2.5\text{mm}$	260°C	250°C	245°C
	$\geq 2.5\text{mm}$	250°C	245°C	245°C

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

回流焊参照标准 IPC/JEDEC J-STD-020D。