

Specification for Approval

产品承认书

Customer Name : _____
客户名称 :

Customer P/N : _____
客户型号 :

P/N : _____

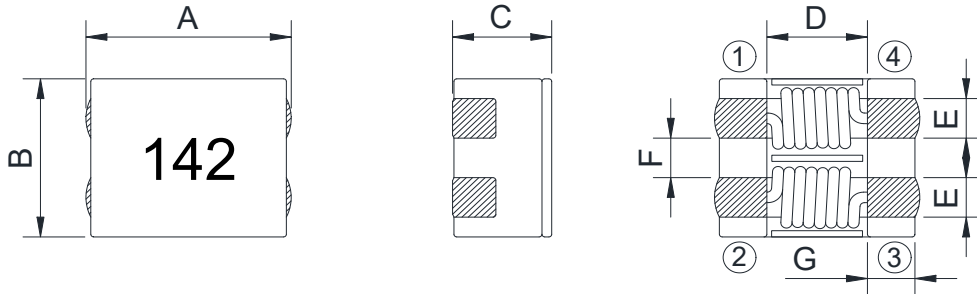
Product Series : ACM4520-Series
产品系列 :

Spec No. : M0016
承认书编号 :

Prepared 拟制	Checked 审核	Approved 批准
Date 日期	2023-07-06	

Approved by Customer 客户承认	
Date 日期	

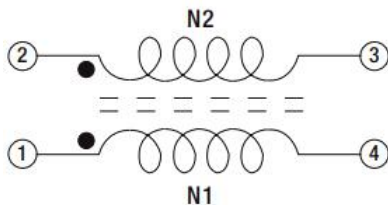
1. Appearance and dimensions (mm)
外形尺寸



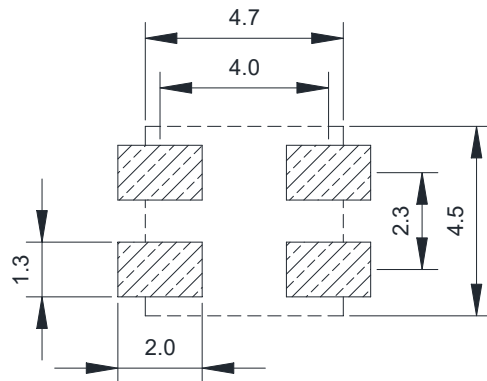
Note: Printing white characters or laser marking
印白字或激光打标

Item	A	B	C	D	E	F	G
Dim	4.7	4.5	2.5	2.7	0.9	1.0	1.0
Tole	±0.5	±0.5	Max	Typ	Typ	Typ	Typ

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 (μ H) $\pm 50\%$ 电感值	Impedance 阻抗值 100MHz/0.1V		D.C.R (m Ω) Max. 直流电阻	Rated Current (A) Max. 额定电流	Rated Voltage (Vdc) Max. 额定电压	Insulation Resistance (M Ω) Min. 绝缘电阻
		Min. Value (Ω)	Typ. Value (Ω)				
ACM4520-900-2P-t000	0.6	60	90	35	3.2	50	10
ACM4520-151-2P-t000	1.0	90	150	40	3.2	50	10
ACM4520-231-2P-t000	1.6	180	230	45	3.0	50	10
ACM4520-301-2P-t000	1.6	200	300	45	3.0	50	10
ACM4520-381-2P-t000	2.4	250	380	50	2.5	50	10
ACM4520-401-2P-t000	2.4	300	420	50	2.5	50	10
ACM4520-501-2P-t000	3.3	350	500	55	2.4	50	10
ACM4520-701-2P-t000	4.2	500	700	58	2.2	50	10
ACM4520-901-2P-t000	5.4	650	900	60	2.1	50	10
ACM4520-102-2P-t000	5.4	800	1000	60	2.1	50	10
ACM4520-122-2P-t000	6.5	1000	1200	70	2.0	50	10
ACM4520-142-2P-t000	8.0	1200	1400	80	1.9	50	10
ACM4520-202-2P-t000	11.8	1800	2000	80	1.5	50	10
ACM4520-302-2P-t000	18.6	2500	3000	80	1.0	50	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: 100KHz/0.1V, 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 $\Delta T 40^\circ\text{C}$ ($T_a = 25^\circ\text{C}$).

额定电流: 使产品温度上升到 $\Delta T 40^\circ\text{C}$ 时所加载的直流电流值 ($T_a = 25^\circ\text{C}$)。

(4). Operating Temperature: -40°C to $+125^\circ\text{C}$ (Temperature rise included).

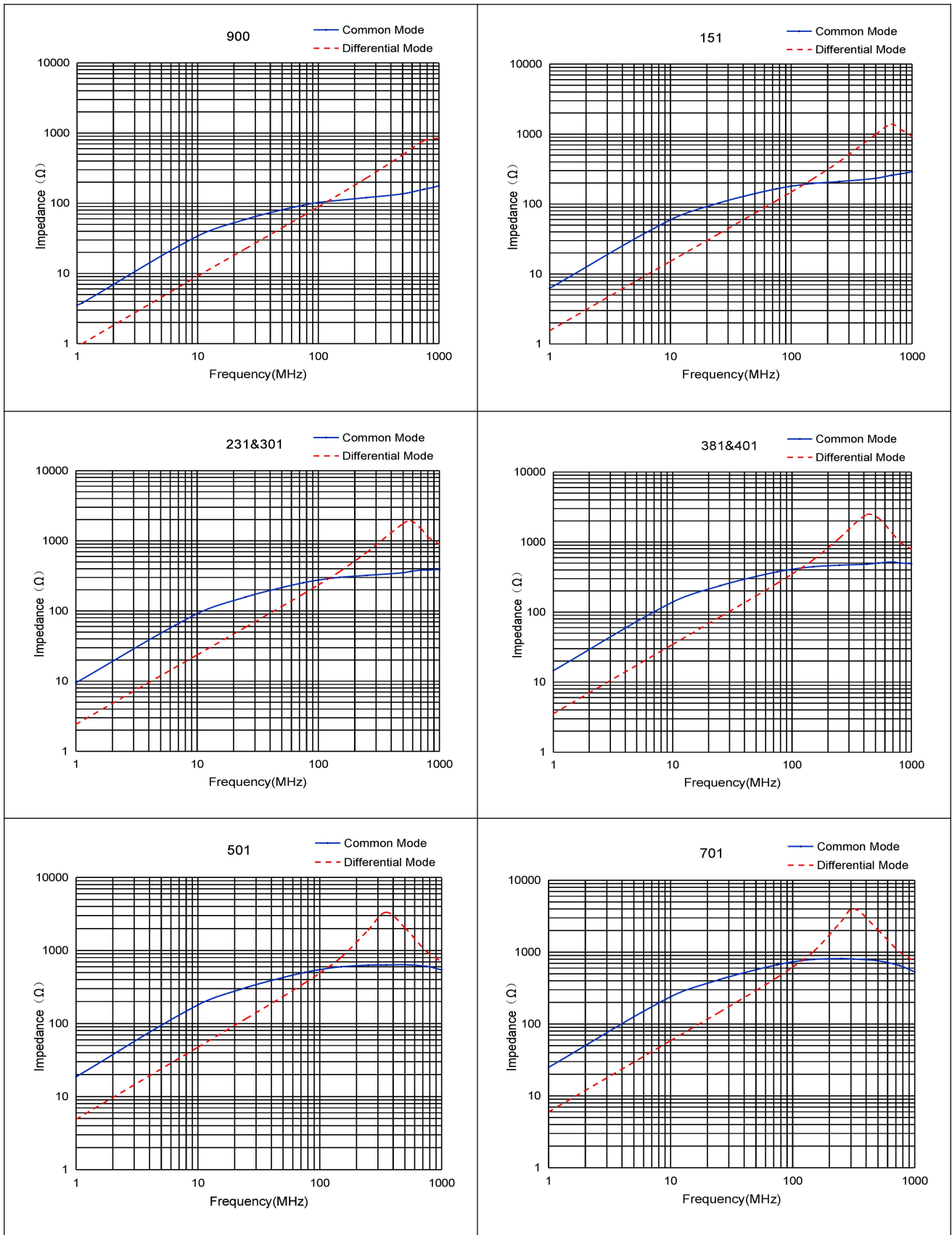
工作温度: -40°C ~ $+125^\circ\text{C}$ (包括温升)。

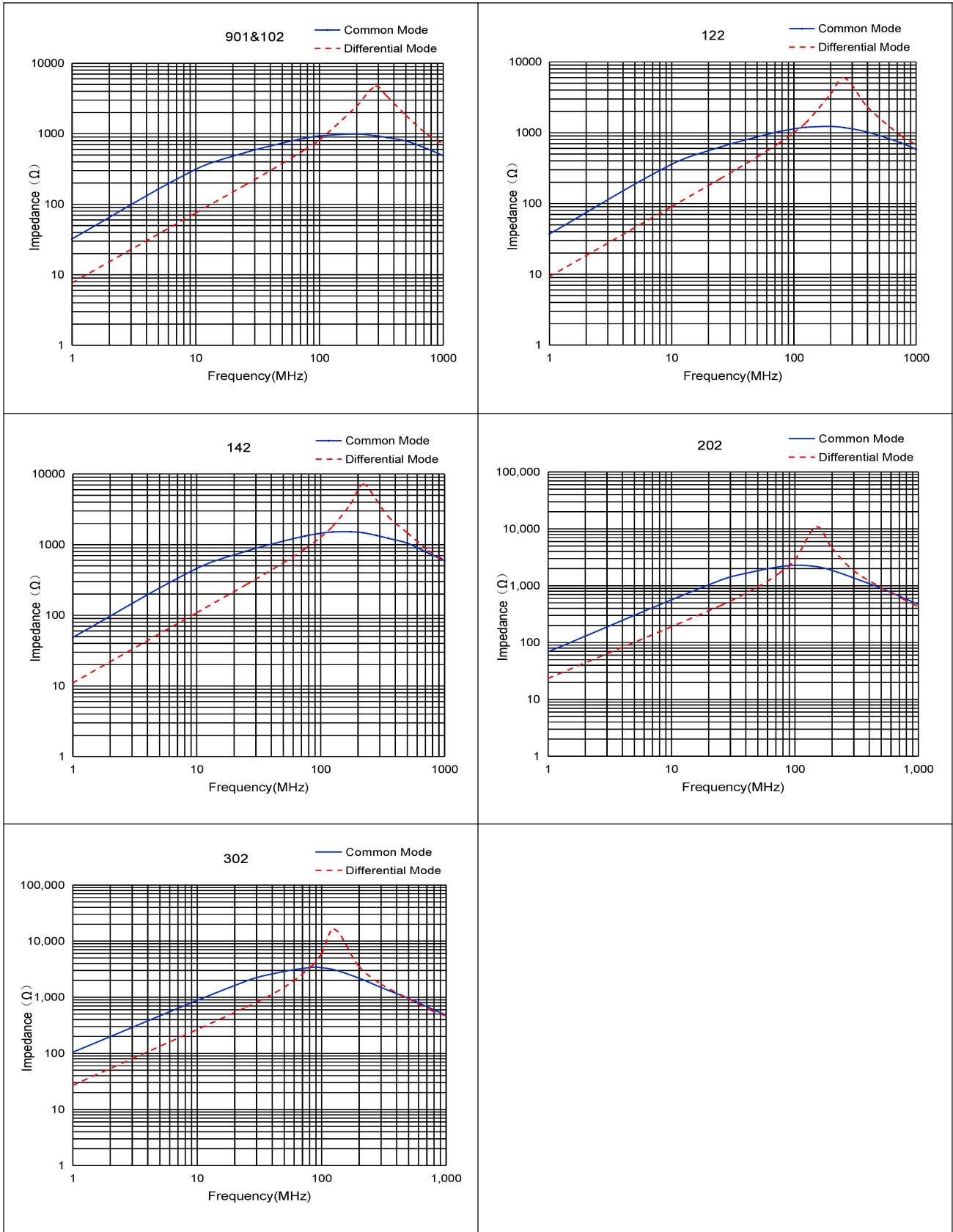
(5). Storage condition: Temperature 5 to 40°C , $\text{RH} \leq 70\%$.

储存条件: 温度 5~ 40°C , 相对湿度小于等于 $\leq 70\%$ 。

5. Impedance vs Frequency Curve

阻抗值 VS 频率曲线



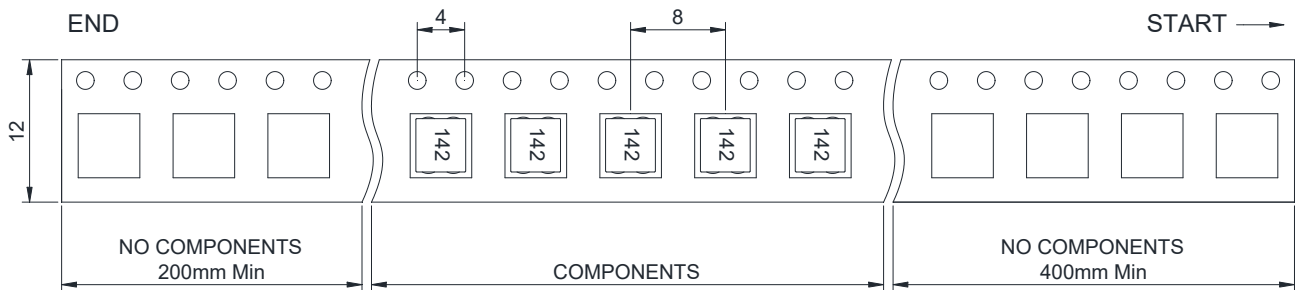


6. Material list
材料清单

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

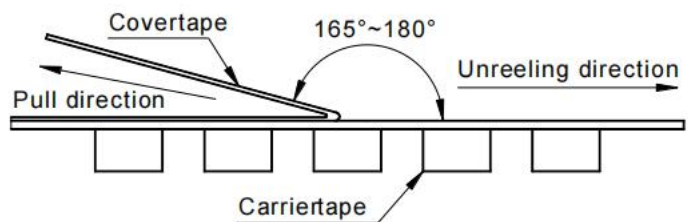
(1). Tape Direction (mm)
编带方向



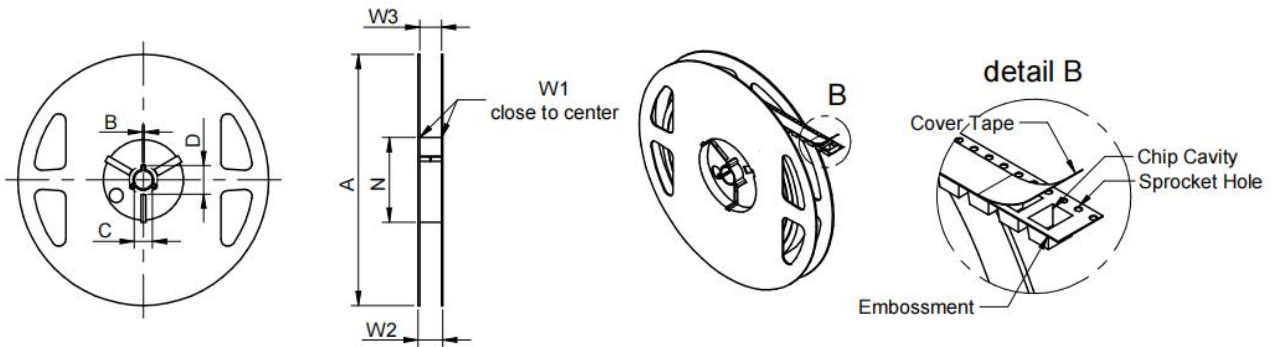
(2). Cover Tape Peel Off Condition
盖带剥离条件

■ 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)



	A	B	C	D	N	W1	W2	W3	W3
Value	178	1.5	12.8	20.2	60	12.4	18.4	11.9	15.4
Tolerance	±2.0	Min.	Min.	Min.	Min.	±2.0	Max.	Min.	Max.

(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

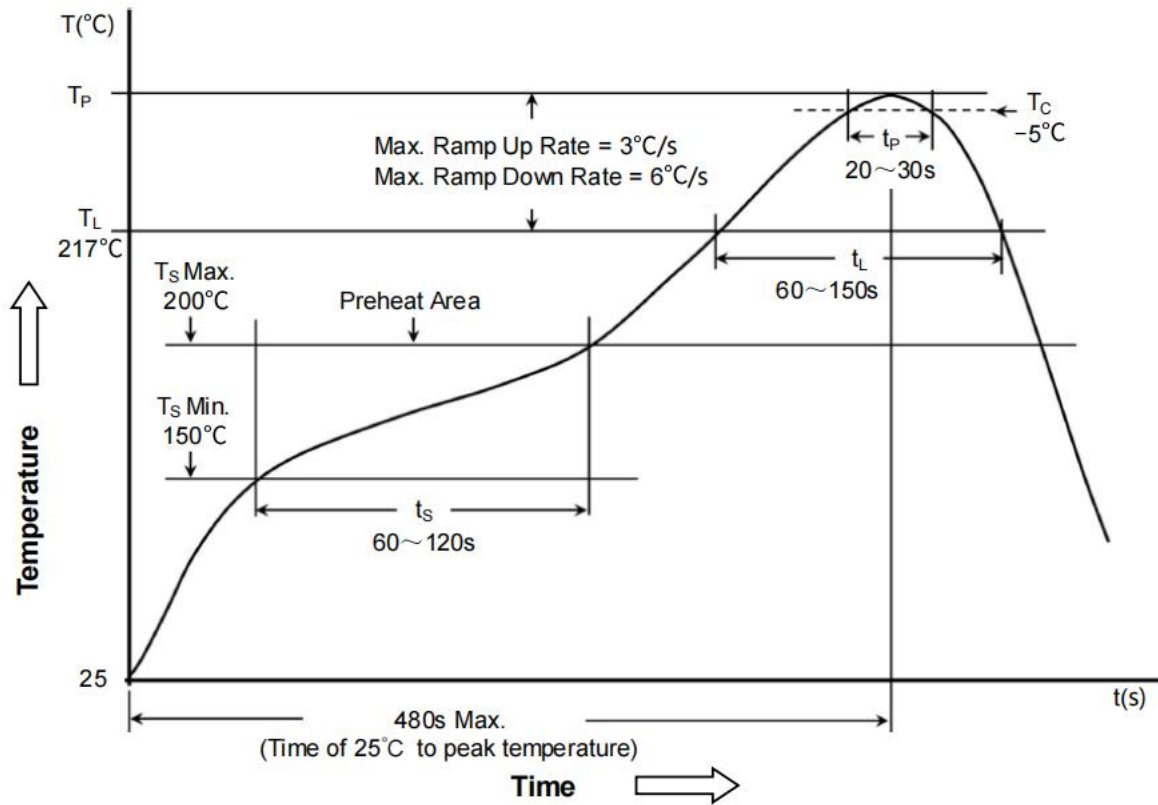
Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
ACM4520-901-2P-t000	1000pcs	(1000x8) = 8000pcs	(8000x3) = 24000pcs

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 (TP)

封装体峰值温度 (TP)分类

	Package Thickness 封装厚度	Package Volume 封装体积		
		<350 mm ³	350~2000 mm ³	>2000 mm ³
PB-Free Assembly 无铅装配	<1.6mm	260°C	260°C	260°C
	1.6~2.5mm	260°C	250°C	245°C
	≥2.5mm	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。