

# CORPORATION

## 承 认 书

### SPECIFICATION FOR APPROVAL

客户

CUSTOMER:

存货编码:

品名

DESCRIPTION:

ACM7060-301-2PL-TL

客户料号:

环保状态:

☐RoHS

☐RoHS+HF

☒RoHS+HF+FP

环保资料:

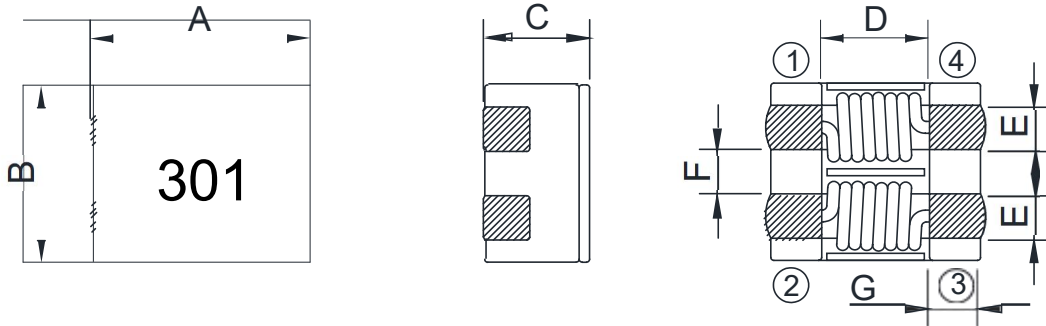
| 出 图<br>DRAWING |                |                 |
|----------------|----------------|-----------------|
| 发 行<br>MADE    | 检 查<br>CHECKED | 承 认<br>APPROVED |
|                |                |                 |
| DATE:          |                |                 |

承 认  
CUSTOMER APPROVE

## 1.Appearance and dimensions (mm)

外形尺寸

### Common Mode Choke

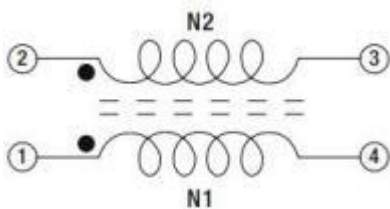


Note: Printing white characters or laser marking  
印白字或激光打标

| 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 |

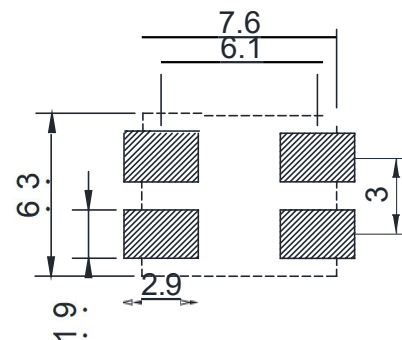
## 2.Schematic

原理图



## 3.Reference land pattern (mm)

参考基板尺寸



#### 4.Electrical Properties

##### 电气特性

| Part Number<br>型号  | Inductance<br>(uH)<br>Typ.<br>电感值 | Impedance<br>阻抗值<br>100MHz/0.1V |                      | D.C.R<br>(mΩ)<br>Max.<br>直流电阻 | Rated<br>Current<br>(A)<br>Max.<br>额定电流 | Rated<br>Voltage<br>(Vdc)<br>Max.<br>额定电压 | Insulation<br>Resistance<br>(MΩ)<br>Min.<br>绝缘电阻 |
|--------------------|-----------------------------------|---------------------------------|----------------------|-------------------------------|-----------------------------------------|-------------------------------------------|--------------------------------------------------|
|                    |                                   | Min.<br>Value<br>(Ω)            | Typ.<br>Value<br>(Ω) |                               |                                         |                                           |                                                  |
| ACM7060-400-2PL-TL | 0.4                               | 40                              | 70                   | 5                             | 15                                      | 125                                       | 10                                               |
| ACM7060-101-2PL-TL | 0.9                               | 100                             | 140                  | 8                             | 9.0                                     | 125                                       | 10                                               |
| ACM7060-301-2PL-TL | <b>2.4</b>                        | <b>225</b>                      | <b>300</b>           | <b>10</b>                     | <b>6.0</b>                              | <b>125</b>                                | <b>10</b>                                        |
| ACM7060-501-2PL-TL | 3.8                               | 300                             | 500                  | 10                            | 5.0                                     | 125                                       | 10                                               |
| ACM7060-701-2PL-TL | 4.7                               | 500                             | 700                  | 15                            | 4.0                                     | 125                                       | 10                                               |
| ACM7060-102-2PL-TL | 6.0                               | 800                             | 1020                 | 17                            | 3.0                                     | 125                                       | 10                                               |
| ACM7060-132-2PL-TL | 8.0                               | 910                             | 1300                 | 21                            | 2.5                                     | 125                                       | 10                                               |
| ACM7060-202-2PL-TL | 12                                | 1500                            | 2000                 | 50                            | 1.5                                     | 125                                       | 10                                               |
| ACM7060-272-2PL-TL | 14                                | 2000                            | 2700                 | 63                            | 1.0                                     | 125                                       | 10                                               |
| ACM7060-302-2PL-TL | 19                                | 2500                            | 3000                 | 75                            | 0.9                                     | 125                                       | 10                                               |
| ACM7060-402-2PL-TL | 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: 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:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (Temperature rise included).

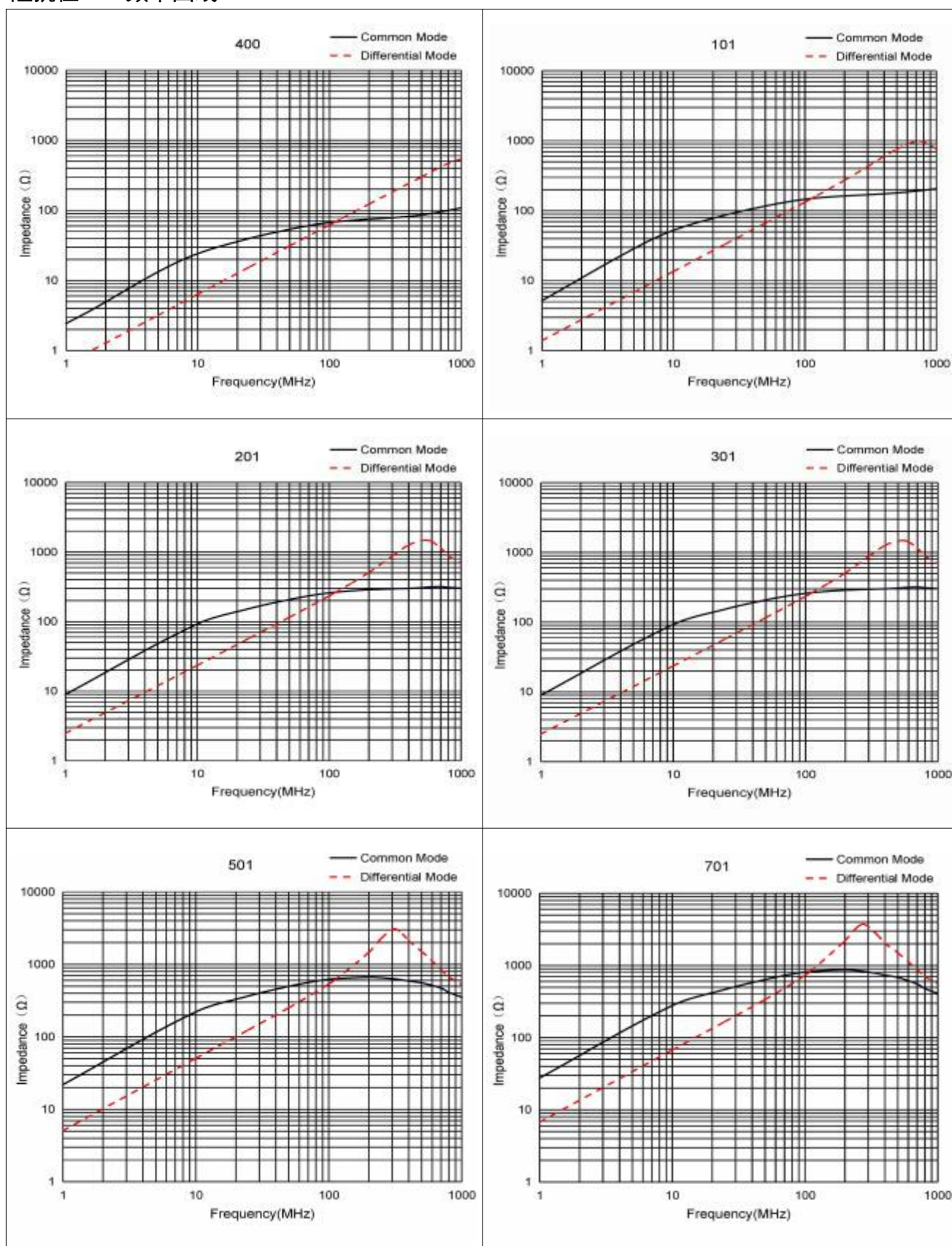
工作温度:  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$  (包括温升)。

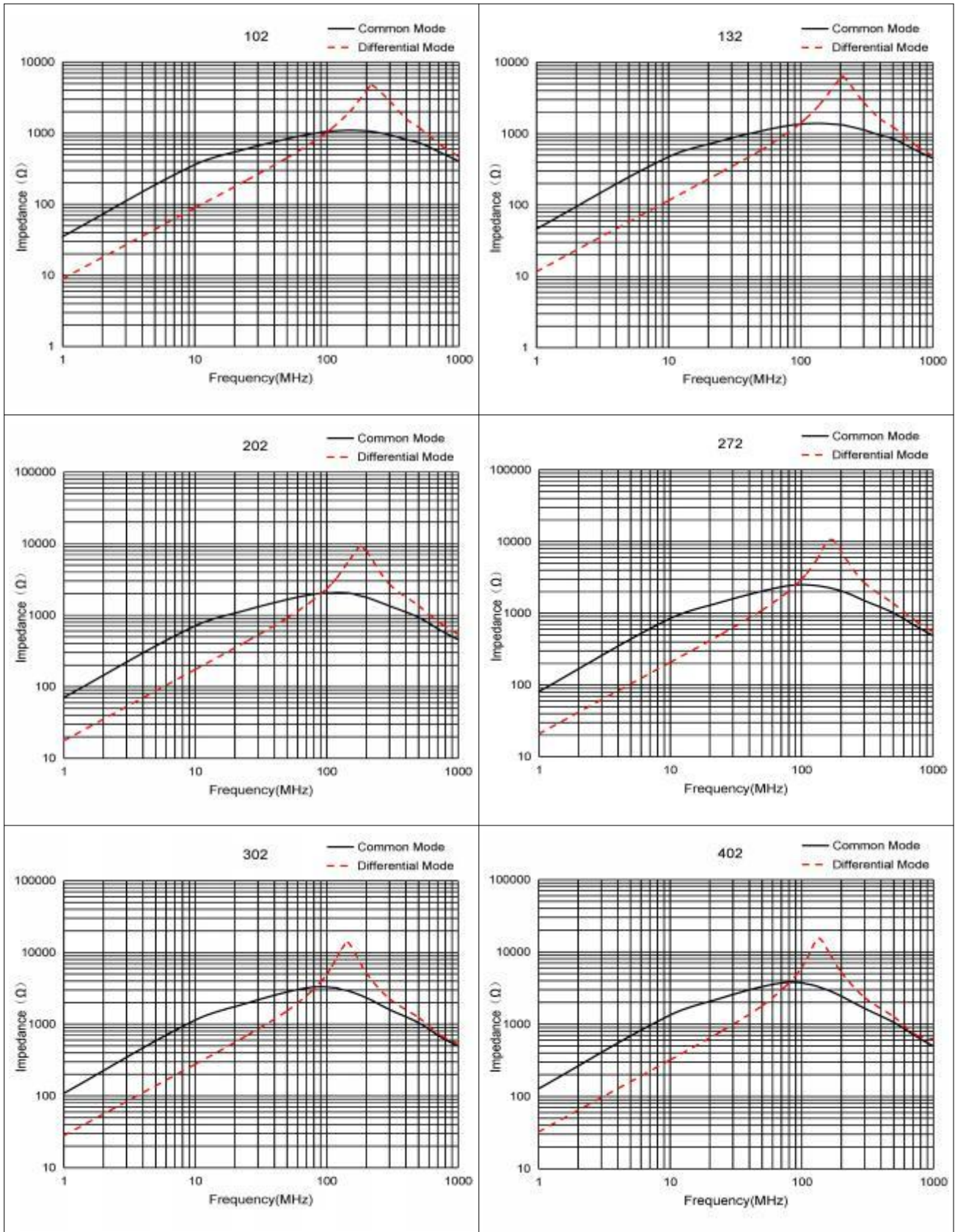
(5). Storage condition: Temperature 5 to  $40^{\circ}\text{C}$ ,  $\text{RH} \leq 70\%$ .

储存条件: 温度 5~ $40^{\circ}\text{C}$ , 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

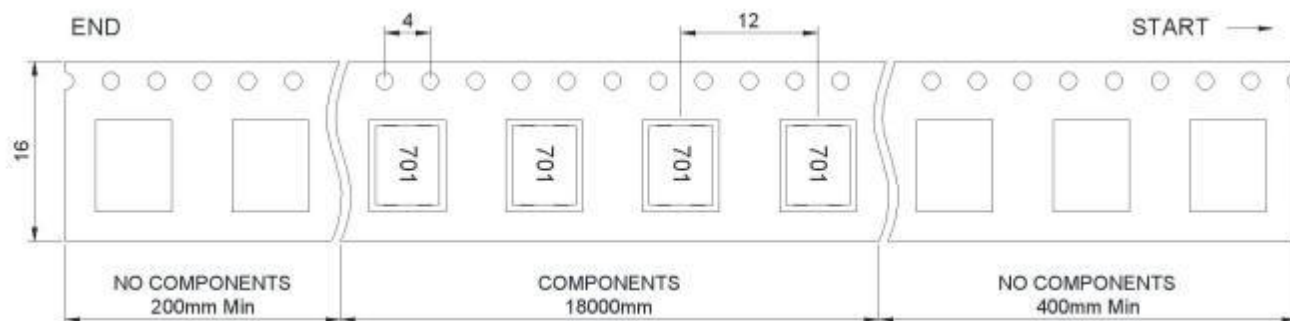
| No.<br>编号 | ITEM<br>项目 | DESCRIPTION<br>描述 |
|-----------|------------|-------------------|
| 1         | CORE       | FERRITE           |
| 2         | COVER      | LCP E4008         |
| 3         | WIRE       | 2UEW-H            |
| 4         | ADHESIVE   | FH-5890           |
| 5         | TIN        | 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

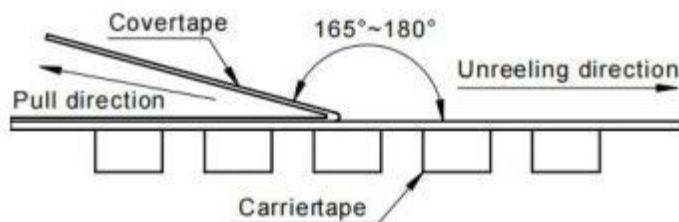
##### 盖带剥离条件

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

盖带剥离力度为 10~130 克

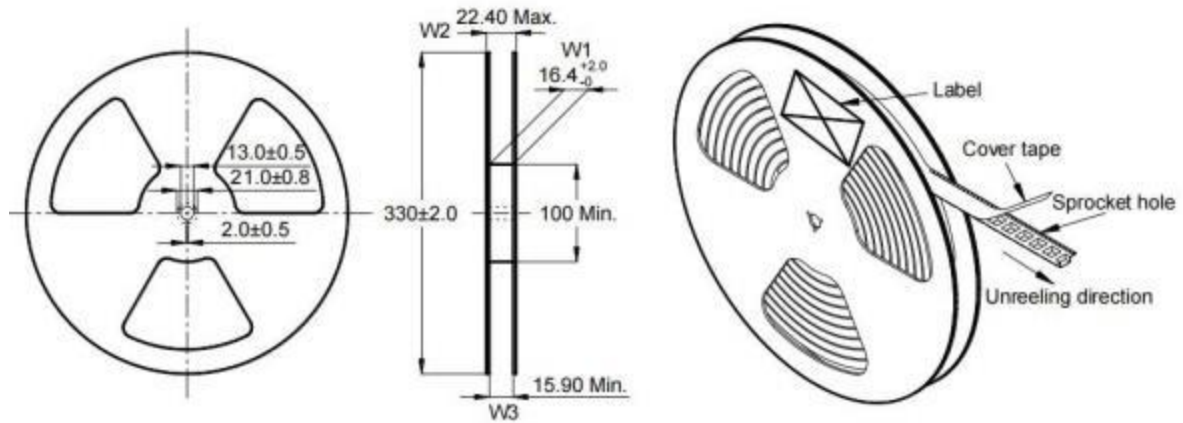
■ Reference peel speed 300±10mm/min.

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 : 340x340x70 mm

内包装盒

■ Out Carton : 360x360x240mm

外包装箱

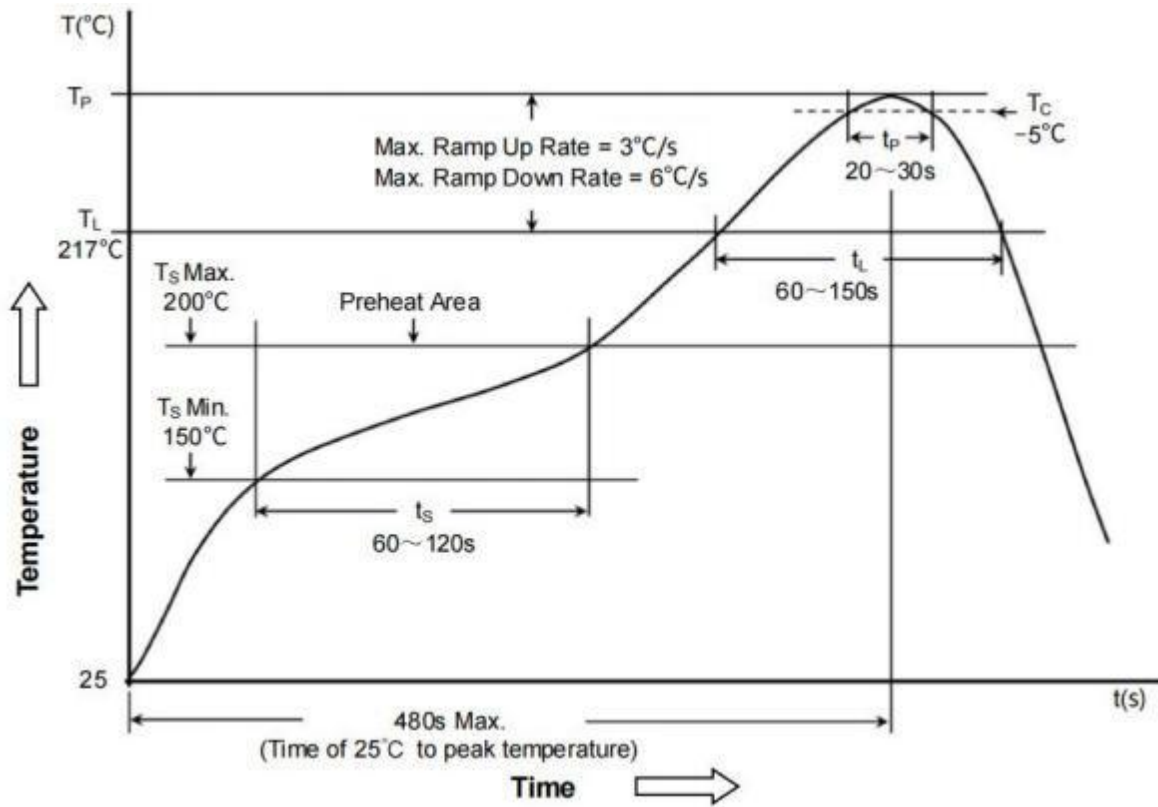
| Product Series     | Quantity / Reel | Inner Carton Quantity | Out Carton Quantity |
|--------------------|-----------------|-----------------------|---------------------|
| ACM7060-301-2PL-TL | 1500pcs         | ( 1500x3 ) = 4500pcs  | (4500x3) = 13500pcs |

## 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<br>封装厚度 | Package Volume<br>封装体积 |                          |                       |
|--------------------------|---------------------------|------------------------|--------------------------|-----------------------|
|                          |                           | <350 mm <sup>3</sup>   | 350~2000 mm <sup>3</sup> | >2000 mm <sup>3</sup> |
| PB-Free Assembly<br>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。