

# 深圳市晶科鑫实业有限公司



## 样品承认书

|           |                                                                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 客户代码:     |                                                                                                                                                                                     |
| 物料名称:     | 贴片钟振                                                                                                                                                                                |
| 规格型号:     | SMD2520 OSC 6PIN 156.250MHZ 3.3V - 40~85℃ LVDS                                                                                                                                      |
| P N/ SJK: | 2N156250G33DC                                                                                                                                                                       |
| 环保属性:     | <input checked="" type="checkbox"/> RoHS <input checked="" type="checkbox"/> REACH <input checked="" type="checkbox"/> HF <input type="checkbox"/> PAHS <input type="checkbox"/> 其它 |
| 版 次:      | A1 2025-5-10 初版                                                                                                                                                                     |
| 湿敏等级:     | 一级                                                                                                                                                                                  |

| 承 认 签 章    |     |     |                    |     |     |
|------------|-----|-----|--------------------|-----|-----|
| 供 应 商 承 认  |     |     | (        ) 公 司 承 认 |     |     |
| 制 定        | 审 核 | 核 准 | 工 程 师              | 审 核 | 批 准 |
| 贺丹斌        | 李相同 | 刘惠光 |                    |     |     |
| SJK 支持     |     |     | 盖章签署               |     |     |
| FAE_EMAIL  |     |     | 日        期         |     |     |
| 日        期 |     |     |                    |     |     |
| 备注：        |     |     |                    |     |     |

## ELECTRICAL SPECIFICATIONS

|                                                       |                 |                           |
|-------------------------------------------------------|-----------------|---------------------------|
| Parmeters                                             | Condition\Model | 2N                        |
| Fan Out Type                                          |                 | LVDS                      |
| Supply Voltage                                        |                 | 3.3V±10%                  |
| Frequency                                             |                 | 156.250MHz                |
| Operating Temperature                                 |                 | -40℃ to +85℃              |
| Current                                               |                 | 60mA Max                  |
| Frequency Stability                                   | All Conditions  | ±30ppm                    |
| Output Voltage<br>100±1 Ω<br>(R1+R1 between OUT-OUTN) | Vol(Max)        | 0.9V                      |
|                                                       | VoH(Max)        | 1.6V                      |
| Rise/Fall Time                                        | 20%~80%         | 0.5ns Max                 |
| Duty Cycle(@Vcc-1.3V)                                 |                 | 50±10%                    |
| Storge Temperature                                    |                 | -55~+125℃                 |
| Start-upTime                                          |                 | 10ms Max                  |
| Aging                                                 |                 | ±3ppm (first year at 25℃) |
| Jitter(12kHz to 20MHz)                                |                 | 0.2ps                     |
| Input Voltage                                         | VIH             | Vcc*0.7V Min              |
|                                                       | VIL             | Vcc*0.3V Max              |



**Top View**

**Side View**

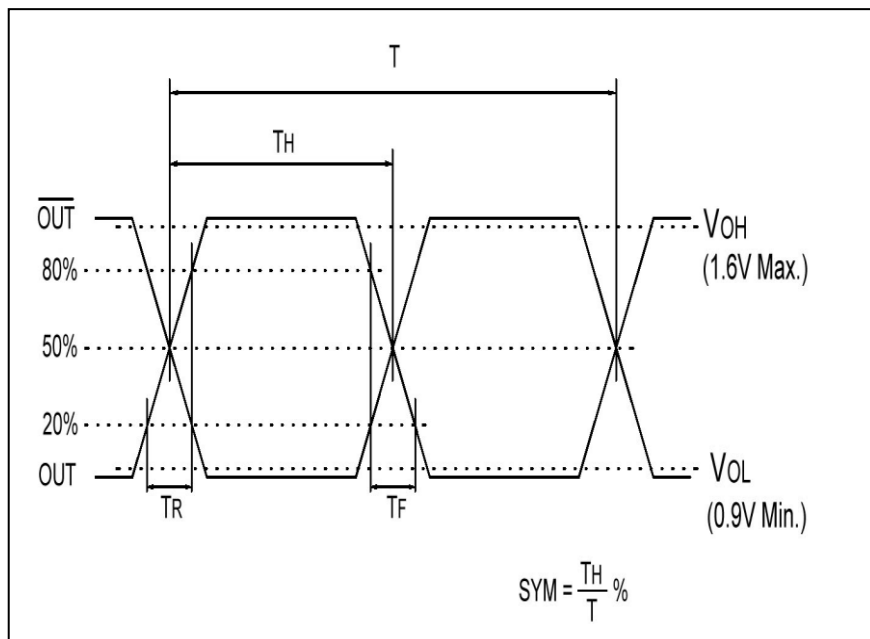
**Front View**

**PIN FUNCTION**

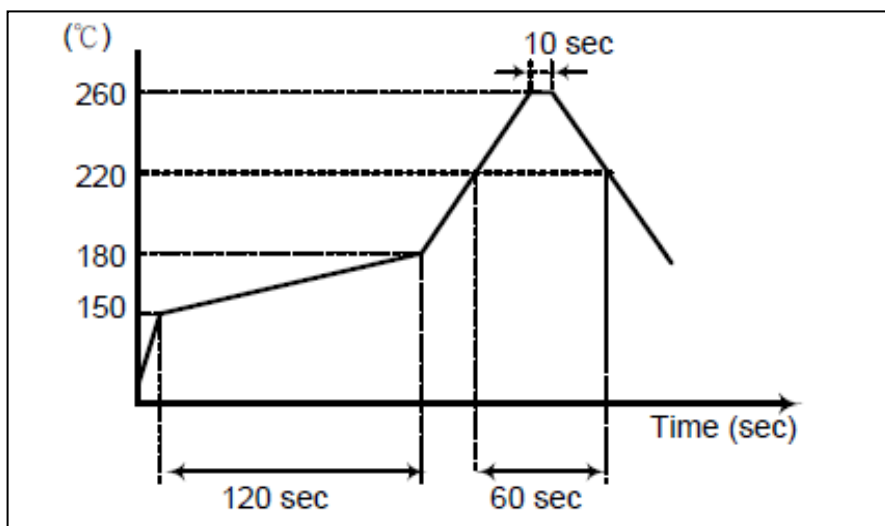
- 1: Enable/Disable
- 2: Nc
- 3: GND
- 4: OUT
- 5: OUTN
- 6: VDD

**SJK**  
**. 100.000**

## WAVEFORM CONDITIONS

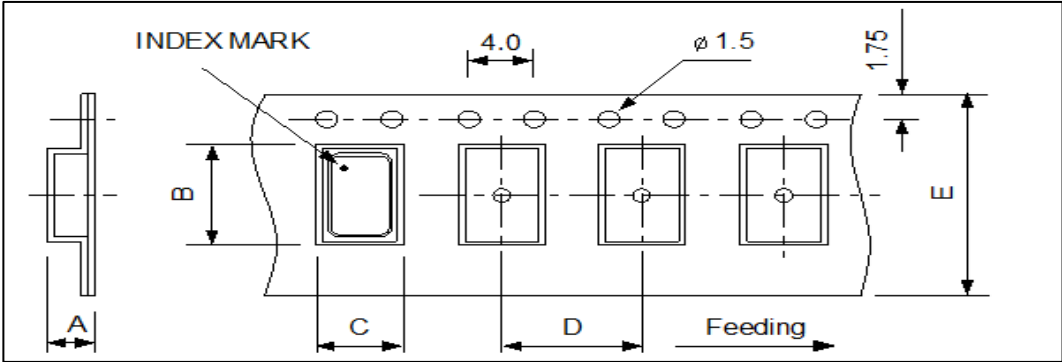


## REFLOW CONDITION

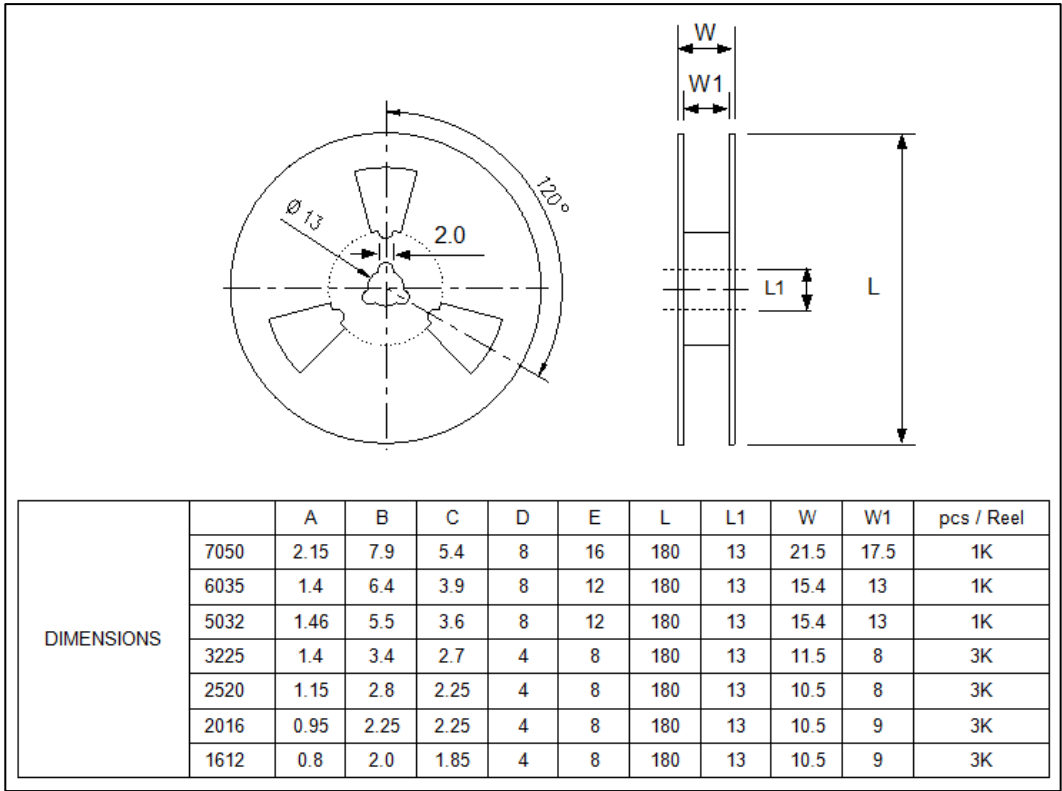


The reflow temperature profile may vary depending on the product model, specifications and frequency range. Refer to the individual product specifications for details

CARRIER TYPE



REEL



## RELIABILITY TEST SPECIFICATIONS

| Test item                                  | Equipment                              | Condition                                                                                     | Specification                  |
|--------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------|
| 1.SOLDERABILITY TEST                       | SJK-REL001、RC-328A                     | TP:260℃ TsMax: 200℃ TsMin: 150℃<br>2 time<br>                                                 | MIL-STD-883E<br>Method 2003.7  |
| 2. HERMETICITY TEST                        | HELIOT-306S                            | Pressurized 0.4~0.5Mpa ethanol sealed tank for 10 minutes                                     | MIL-STD-883E<br>Method 1014.10 |
| 3. VIBRATION TEST                          | HG-V4、S&A 250B                         | Enable Crystal(10g) from 10-55-10Hz,X、Y、Z horizontal,1 Minute vibration/time, 1time/ 2 hours. | MIL-STD-883E<br>Method 2007.3  |
| 4. MECHANICAL SHOCK                        | HPC-200、S&A 250B                       | Enable Crystal 50G(490m/s <sup>2</sup> ) time=11 ms speed=3.4 m/s half sine wave oscillation  | JIS C6701                      |
| 5. DROP TEST                               | HARD BOARD.S&A250B                     | 75cm High,3 times on hard board                                                               | MIL-STD-202F<br>Method 213B    |
| 6. HIGH&LOW TEMP STORAGE TEST(Static test) | H-PTH-80CK & HM101-3ABN, S&A 350B/250B | High temperature: 125℃±2℃,1000hr; Low temperature:-40℃±3℃,1000hrs                             | MIL-STD883C,<br>METHOD 1011.8  |
| 7. TEMP & HUM CYCLING TEST                 | H-PTH-80CK CHAMBE, S&A 350B/250B       | Temperature:-10℃±2℃~65℃±2℃,Humidity:93±3%,1 cycle need 24 hrs. 5cycles.                       | MIL-STD-883E<br>Method 1005.8  |
| 8. HIGH TEM. & HUM.STORAGE TEST            | H-PTH-80CK CHAMBE, S&A350B/250B        | Temperature:85℃±2℃, Humidity:85+3,-2%,Store 96 hrs                                            | JIS C6701                      |
| 9. AGING TEST                              | H-PTH-80CK CHAMBE, S&A350B/250         | Temperature:85℃±2℃, Store 1000 hrs                                                            | JIS C5023                      |