

P/N: WTL3X80401MC

SMD PACKAGE FOR TUNING FORK 32.768KHz



# 深圳市维拓精电科技有限公司 WTL International Limited

## APPROVAL SHEET

DESCRIPTION :	3.8*8.0mm SMD Tuning Fork crystal			
NOMINAL FREQ.:	32.768KHz			
WTL P/N:	WTL3X80401MC			
REVISION:	0			
DATE:	2021.07.01			
Customer	Customer P/N			
IBS	/			
Customer Signature	WTL			
	Approved by: <i>Kavin Liu</i>			
	Checked by: <i>Shu Ping</i>			
	Issued by: <i>Shengbiao</i>			
<b>REVISION HISTORY</b>				
Revised Page	Revision Content	Date	Ref. No.	Reviser



**1. FEATURE**

- Wide Frequency range
- Small size
- Tape & Reel
- Reflow available



**2. APPLICATIONS**

- Microprocessor Systems
- Consumer Electronics

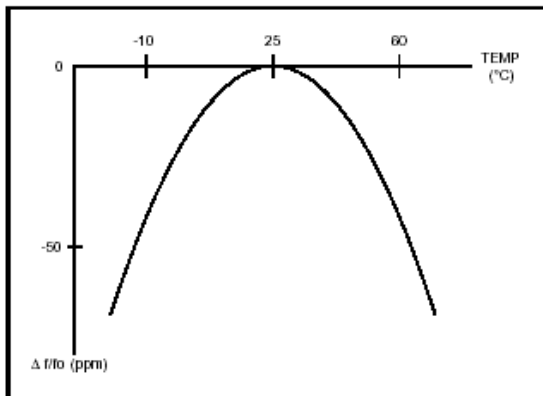


**3. ELECTRICAL SPECIFICATIONS**

Frequency	32.768KHz
Frequency Tolerance (at 25°C)	±20ppm
ESR	40Kohm Max
Turnover Temperature	25 ± 5°C
Frequency Temperature Curve	-0.034(±0.006)ppm/°C <sup>2</sup>
Storage Temperature Range	-55 °C to +125 °C
Operable Temperature Range	-40 °C to + 85 °C
Shunt Capacitance (C <sub>0</sub> )	2.0pF Typ
Driver Level (Typical)	1 μW Max
Load Capacitance(C <sub>L</sub> )	12.5pF
Aging @25°C 1 <sup>st</sup> year (Max)	±3ppm/year

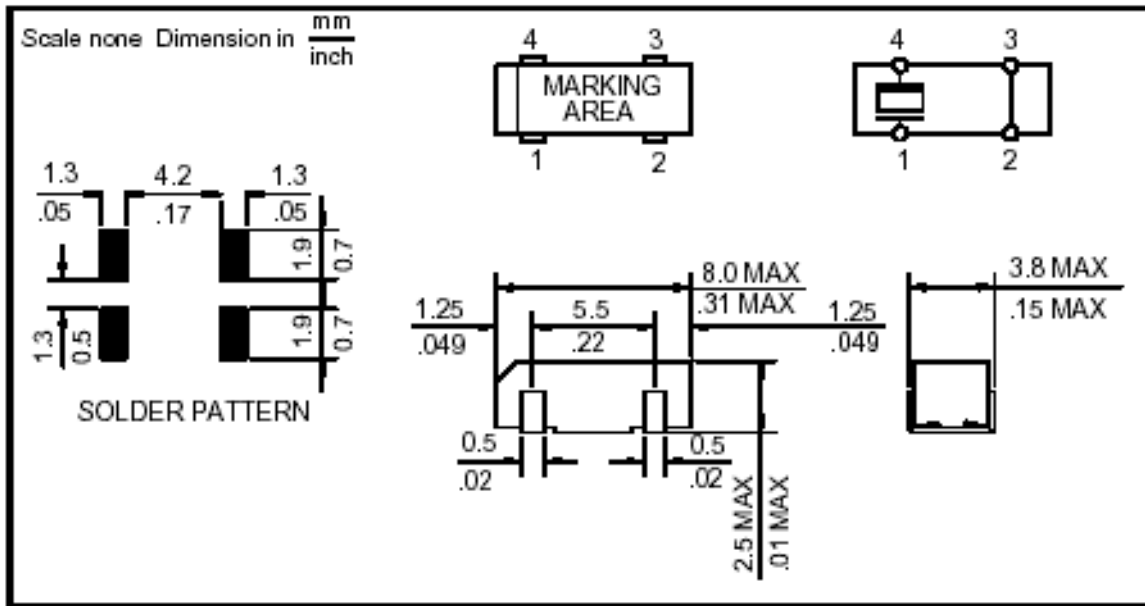
**REMARK:** SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.

**4. Frequency VS Temperature Curve**

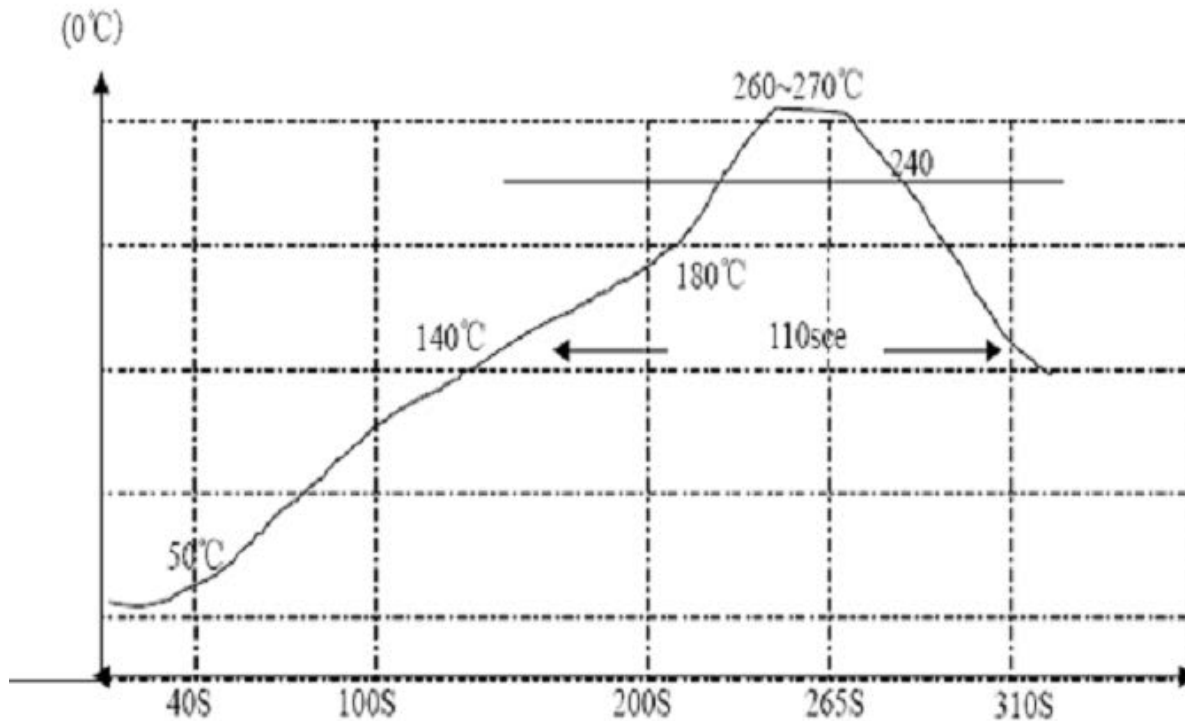


**5. PACKING AND DIMENSIONS**

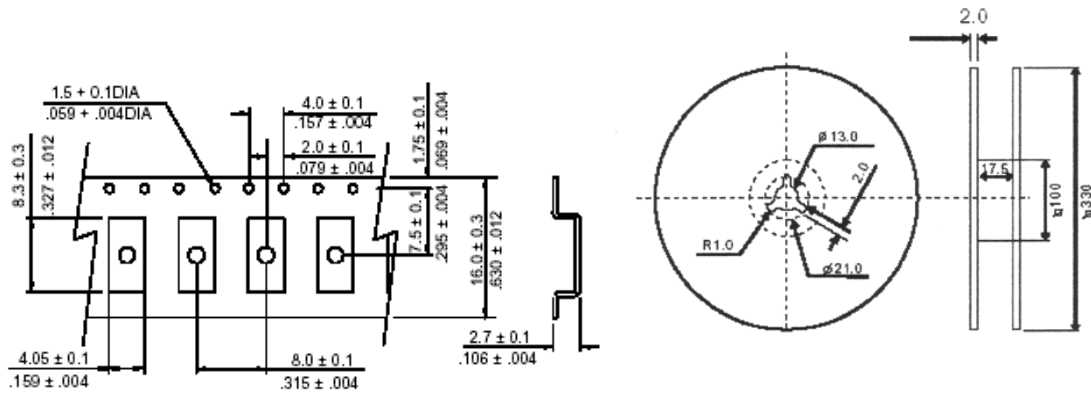
(Unit: mm)



**6. Reflow Soldering Profile**



## 7. Packing (Tape & Reel)



## 8. WTL PART NUMBER SYSTEM :

For example: WTL3X66047LL

[Instructions: for project management, WTL will trace back the part number to developer wherever it goes]

WTL - 3X - 66047 - LL

WTL: Brand

3X : Package Code

66047: Serial number , flow code , without any rules

LL: WTL Developer Code, for example: VH,CH,PZ,RZ,ML