

**P/N: WTL1X25112CH**

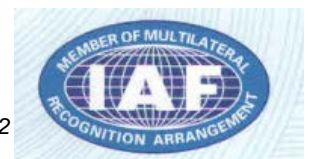
**SMD PACKAGE FOR TUNING FORK 32.768KHz**



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

**APPROVAL SHEET**

DESCRIPTION :	3.2*1.5mm 2 Pads SMD Tuning Fork Crystal			
NOMINAL FREQ.:	32.768KHz			
WTL P/N:	WTL1X25112CH			
REVISION:	1			
DATE:	2018.04.18			
Customer	Customer P/N			
IBS Electronics Inc	/			
Customer Signature	WTL			
	Approved by: <i>Xo Xo Lee</i>			
	Checked by: <i>Susan He</i>			
	Issued by: <i>Shengbiao</i>			
<b>REVISION HISTORY</b>				
Revised Page	Revision Content	Date	Ref. No.	Reviser
1	Operating Temperature	2018/04/18	/	Dai Hongxia



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### FEATURE

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

### APPLICATIONS

- Microprocessor Systems
- Consumer Electronics



### ELECTRICAL SPECIFICATIONS

Frequency	32.768KHz
Frequency Tolerance (at 25°C)	±20ppm
ESR	70Kohm 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 (C0)	1.3pF Typ
Dynamic Capacitance (C1)	2.4fF Typ
Driver Level (Typical)	1 µW Max
Load Capacitance(C <sub>L</sub> )	12.5 pF
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.

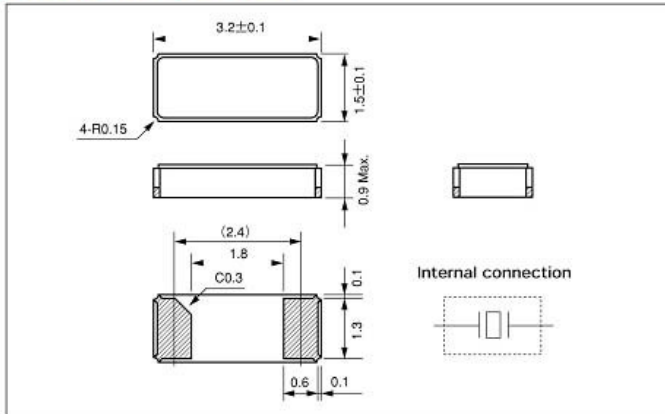
### Frequency VS Temperature Curve & Re-flow condition

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**PACKING AND DIMENSIONS**

**■ DIMENSION [mm]**



**■ SOLDER PAD LAYOUT [mm]**

