

Series7L



SURFACE MOUNT PACKAGE FOR TUNING FORK CRYSTAL



Approved by:
Checked by:
Issued by:

SPECIFICATION

P/N: 7L327680E01GJM

深 圳 市 晶 科 鑫 实 业 有 限 公 司

SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO., LTD.

Tel: 86-755-88352809

E-mail: sjksale@126.com

Fax: 86-755-88353718

URL: [Http://www.q-crystal.com](http://www.q-crystal.com)

The design, manufacturing process, and specifications of this device are subject to change without notice.

FEATURE

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

APPLICATIONS

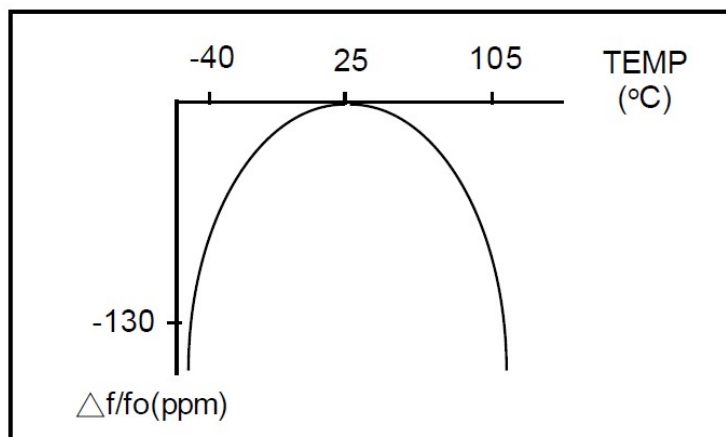
- This specification sheet is applied to tuning fork crystal"7L" for Automotive (Non-Safety Application), and it meet the requirement of AECQ200

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 ²
Storage Temperature Range	-55 °C to +125 °C
Operable Temperature Range	-40 °C to + 125 °C
Shunt Capacitance (C0)	1.2pF Typ
Dynamic Capacitance (C1)	2.4fF Typ
Driver Level (Typical)	0.5 μW Max
Load Capacitance (CL)	12.5 pF
Aging @25°C 1 st year (Max)	±3ppm/year

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

Frequency VS Temperature Curve

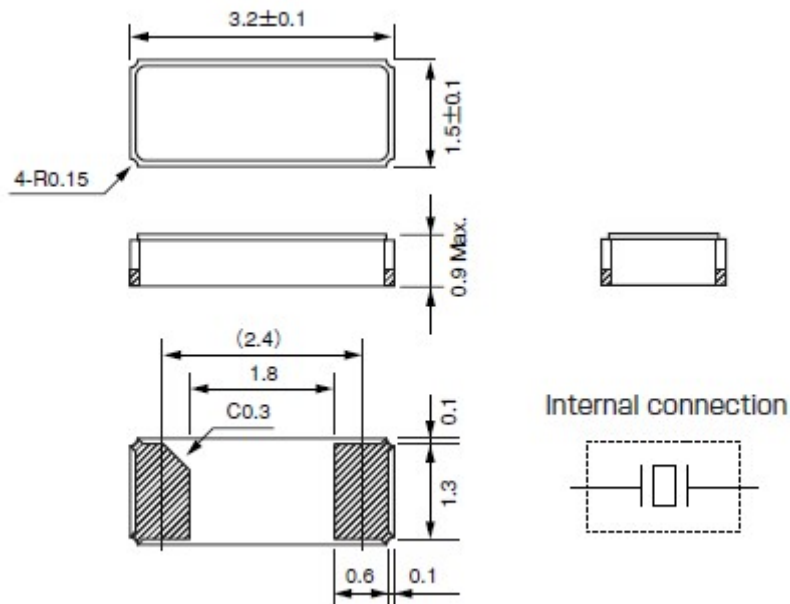


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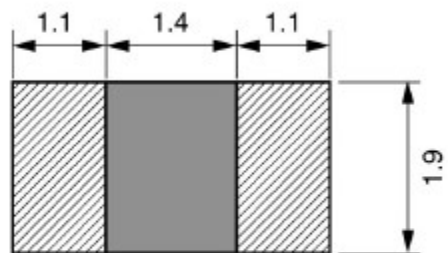


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Dimensions (Unit: mm)

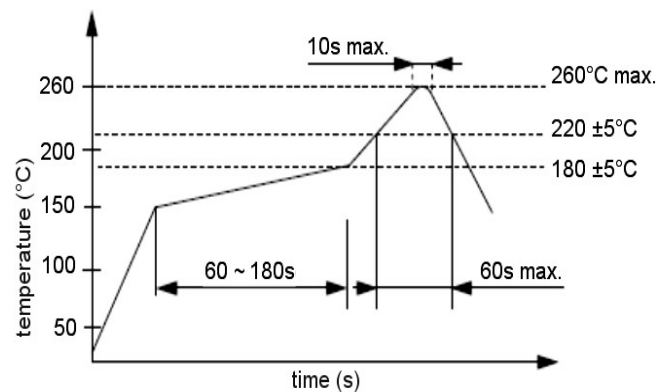


Solder Pad Layout (Unit: mm)

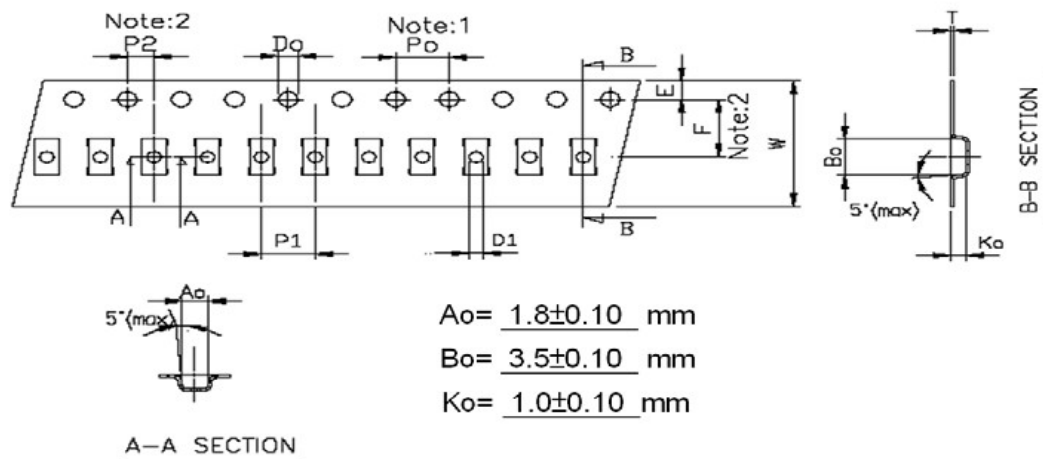


* Do not design any patterns on shaded area.

Reflow Soldering Profile



Packing



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