

QUARTZ CRYSTAL UNIT

SERIES 7V, GLASS SEALED CERAMIC 3.2X2.5MM SMD TYPE



Approved by:

Checked by:

Issued by:

SPECIFICATION

P/N: 7V280000SE08MBL

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FEATURE

- Ultra thin, thickness 1.0mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Designed for automatic mounting and reflow soldering
- This specification sheet is applied to crystal"7V" for Automotive, and it meets the requirement of AECQ200

ELECTRICAL SPECIFICATIONS

Output Frequency Range	8.000MHz
Mode	AT/Fundamental
Frequency Tolerance (at 25°C)	±50ppm
Frequency Stability Over Operating Temperature Characteristics	±150ppm
Operating Temperature Range	-40 °C to +150 °C
Storage Temperature Range	-40 °C to +150 °C
Shunt Capacitance (C ₀)	2.0 pF Max
Driver Level (Typical)	10μW (200uW max)
Load Capacitance (C _L)	8 pF
Equivalent series resistance	500 Ω Max
Aging @25°C 1 st year (Max)	±3ppm/year
Shock Resistance	Drop test of 3 times on 2mm stainless plate from 75cm height

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

ATTENTION:

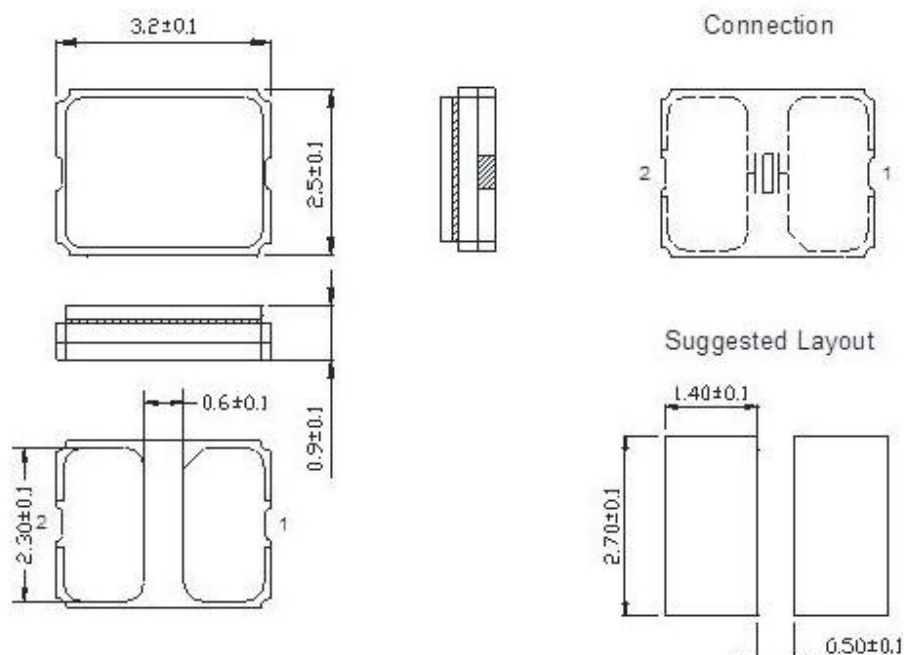
1. If you intend to use product on controls relating to medical equipment, aeronautical equipment, aerospace, military science, space equipment, etc.) Please do not fail to advise us of your intention beforehand.
2. Crystal units will be damaged by ultrasonic welding process due to resonance of crystal wafer itself. If ultrasonic welding used, SJK strongly recommend verifying damage by ultrasonic weld.
3. Crystal units will be damaged by plastic molding process due to pressure. If plastic molding used, SJK strongly recommend use seam welding products instead.

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DIMENSION (Unit: mm)

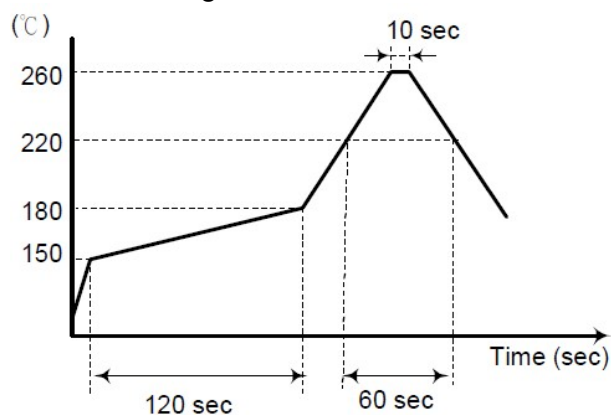


1. Prototype, The drawing just for reference only.
2. Coplanarity of solderable areas Camber 0.10 mm Max

REFLOW CONDITION

Total Time: 200 sec. Max.

Solder Melting Point :220 °C

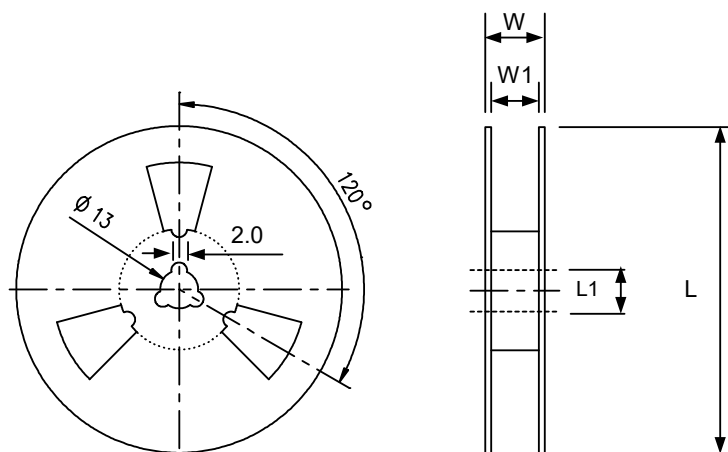
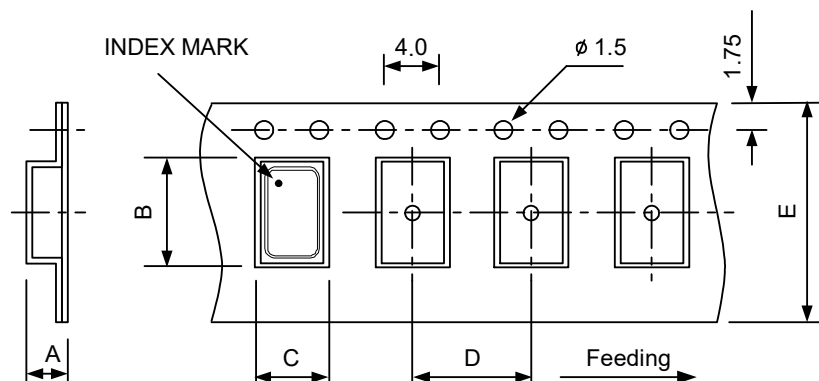


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PACKING



DIMENSIONS	L	L1	W	W1	pcs / Reel (UNIT : mm)
	178	13	11.5	8	Standard Reel Quantity is 3,000 pcs per reel