

# QUARTZ CRYSTAL UNIT

SERIES 7U, SEAM SEALED CERAMIC 3.2X2.5MM SMD TYPE



Approved by:

Checked by:

Issued by:

## SPECIFICATION

P/N: 7U1200000C02GJM

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

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# QUARTZ CRYSTAL UNIT



**SERIES 7U, SEAM SEALED CERAMIC 3.2X2.5MM SMD TYPE**

## FEATURE

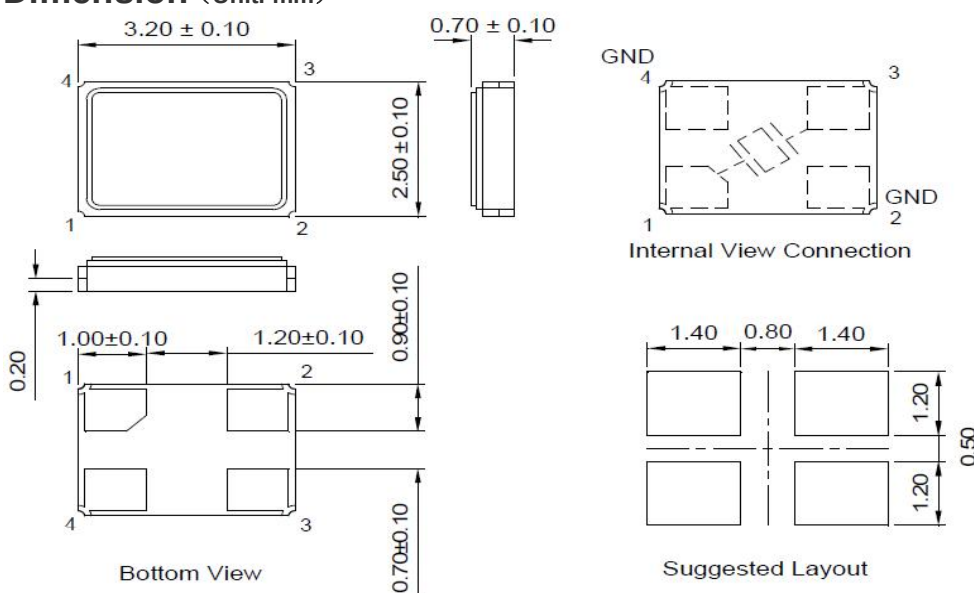
- Ultra thin, thickness 0.6mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Designed for automatic mounting and reflow soldering
- Embossed taping specification
- The best choice of Bluetooth wireless communication sets, DSN, PDA and mobile phone

## ELECTRICAL SPECIFICATIONS

|                                                                |                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------|
| Output Frequency Range                                         | 12.000MHz                                                    |
| Mode                                                           | AT/Fundamental                                               |
| Frequency Tolerance (at 25°C)                                  | ±10ppm                                                       |
| Frequency Stability Over Operating Temperature Characteristics | ±15ppm                                                       |
| Operating Temperature Range                                    | -40 °C to +85 °C                                             |
| Storage Temperature Range                                      | -55 °C to +125 °C                                            |
| Shunt Capacitance (C <sub>0</sub> )                            | 5.0 pF Max                                                   |
| Driver Level (Typical)                                         | 100μW                                                        |
| Load Capacitance(C <sub>L</sub> )                              | 18 pF                                                        |
| Equivalent series resistance                                   | 100 Ω Max                                                    |
| Aging @25°C 1 <sup>st</sup> 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.

## Dimension (Unit: mm)



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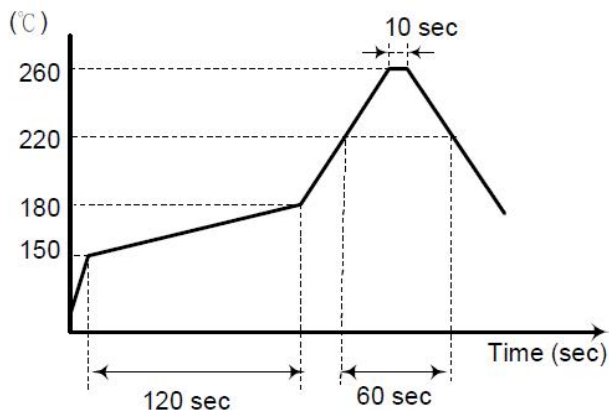


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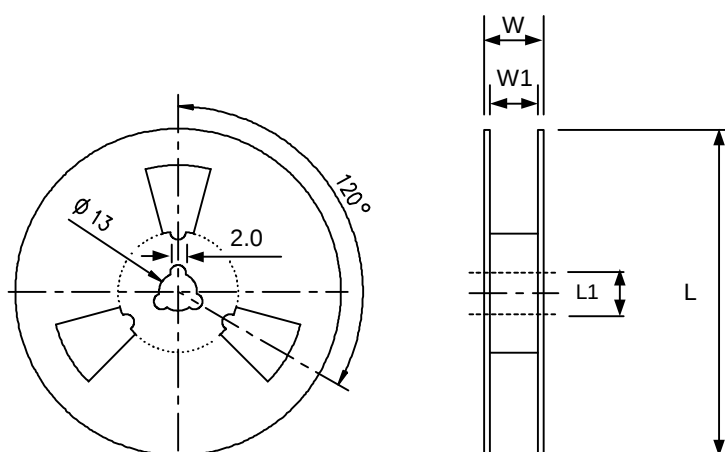
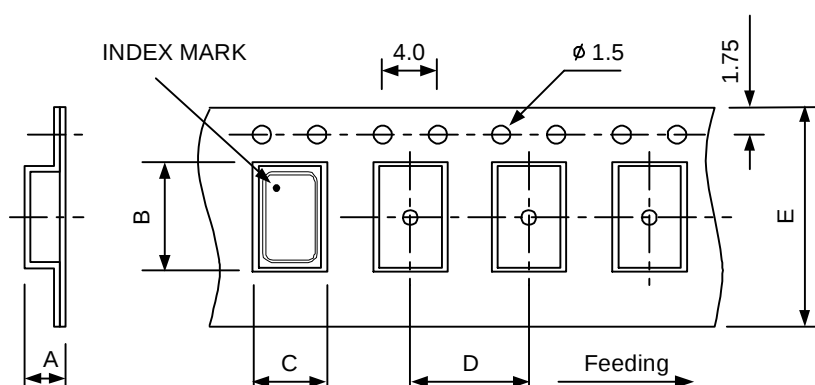
## Reflow Condition

Total Time: 200 sec. Max.

Solder Melting Point :220 °C



## PACKING



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

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