

QUARTZ CRYSTAL UNIT

SERIES 7E, SEAM SEALED CERAMIC 2.5X2.0MM SMD TYPE



Approved by:

Checked by:

Issued by:

SPECIFICATION

P/N: 7E1600000C08GJM

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FEATURE

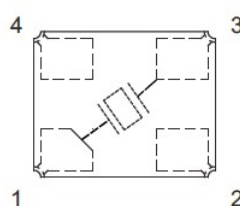
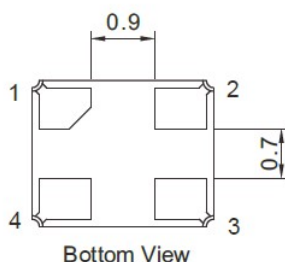
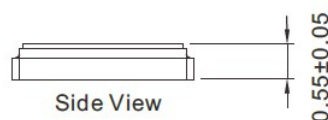
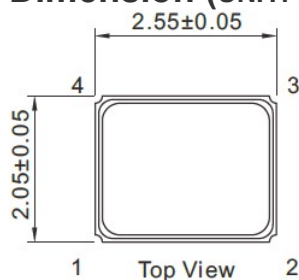
- Ultra thin, thickness 0.5mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Designed for automatic mounting and reflow soldering
- Embossed tapping specification
- The best choice of Bluetooth wireless communication sets, DSN, PDA and mobile phone

ELECTRICAL SPECIFICATIONS

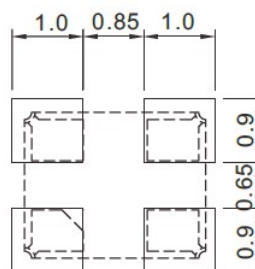
Output Frequency Range	16.000MHz
Mode	AT/Fundamental
Frequency Tolerance (at 25°C)	±10ppm
Frequency Stability Over Operating Temperature Characteristics	±15ppm
Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-55 °C to +105 °C
Shunt Capacitance (C ₀)	2.0 pF Max
Driver Level (Typical)	100μW
Load Capacitance (C _L)	8 pF
Equivalent series resistance	150ΩMax
Aging @25°C 1 st year (Max)	±1ppm/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)



Top View Crystal Connection



Top View Suggested Layout

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

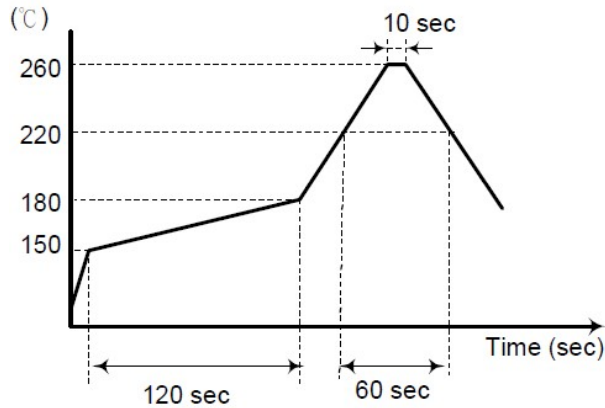
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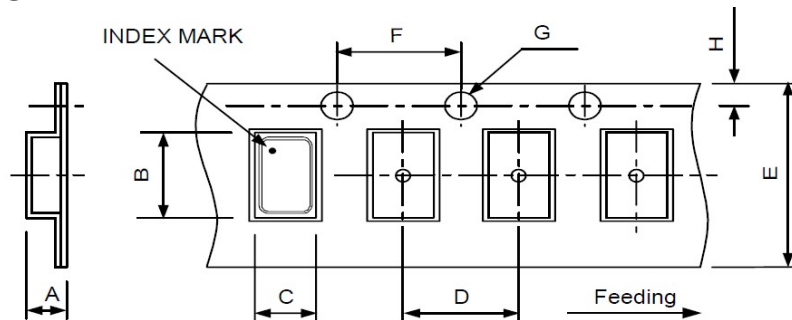
Reflow Condition

Total Time: 200 sec. Max.

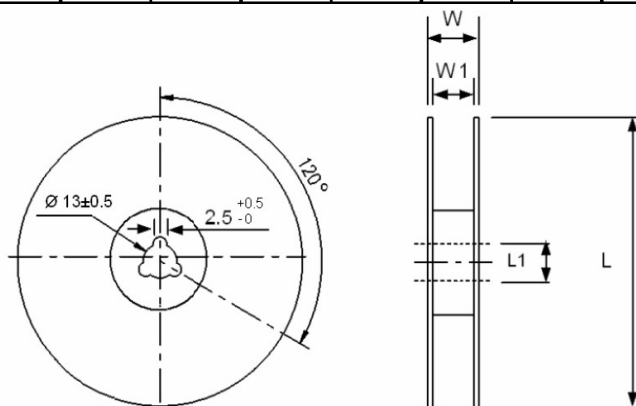
Solder Melting Point :220 °C



PACKING



DIMENSIONS	A	B	C	D	E	F	G	H	(UNIT : mm)
	1.55 ± 0.05	2.7 ± 0.05	2.25 ± 0.05	4 ± 0.1	8 ± 0.2	4 ± 0.1	1.55 ± 0.05	1.75 ± 0.1	



DIMENSIONS	L	L1	W	W1	pcs / Reel (UNIT : mm)
	178±1	13± 0.5	11.5± 0.2	+1 8-0	Standard Reel Quantity is 3,000 pcs per reel

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