

QUARTZ CRYSTAL UNIT

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



Approved by:

Checked by:

Issued by:

SPECIFICATION

P/N: 7E2712000C0RGJM

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)

QUARTZ CRYSTAL UNIT



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

FEATURE

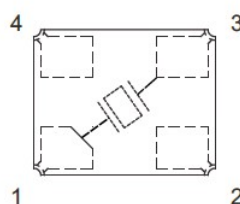
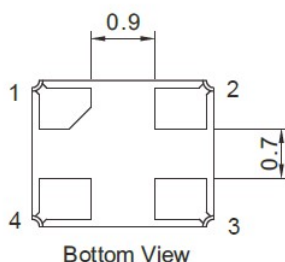
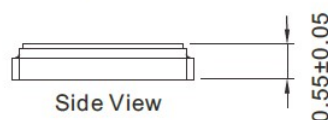
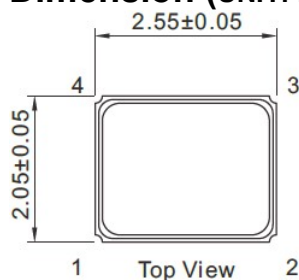
- Ultra thin, thickness 0.5mm
- Leadless type
- High precision characteristic covering up to high frequency range
- Designed for automatic mounting and reflow soldering
- Embossed tapping specification
- The best choice of Bluetooth wireless communication sets, DSN, PDA and mobile phone

ELECTRICAL SPECIFICATIONS

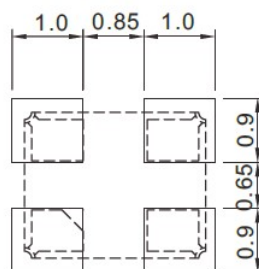
Output Frequency Range	27.120MHz
Mode	AT/Fundamental
Frequency Tolerance (at 25°C)	±10ppm
Frequency Stability Over Operating Temperature Characteristics	±20ppm
Operating Temperature Range	-40 °C to +85 °C
Storage Temperature Range	-55 °C to +105 °C
Shunt Capacitance (C ₀)	2.0 pF Max
Driver Level (Typical)	100μW
Load Capacitance (C _L)	4 pF
Equivalent series resistance	80ΩMax
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.

QUARTZ CRYSTAL UNIT

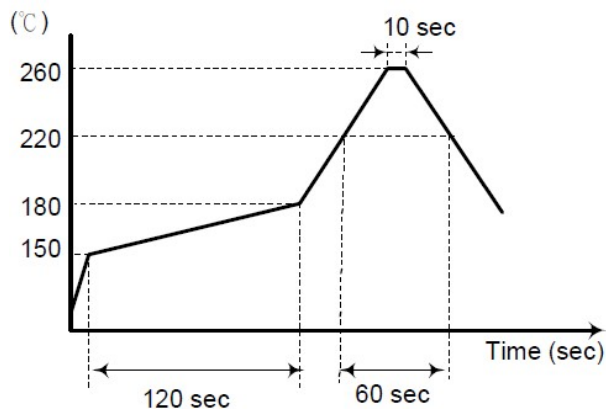


SERIES 7E, SEAM SEALED CERAMIC 2.5X2.0MM SMD TYPE

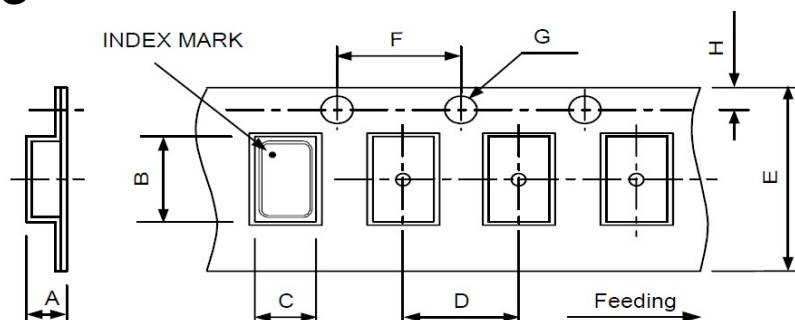
Reflow Condition

Total Time: 200 sec. Max.

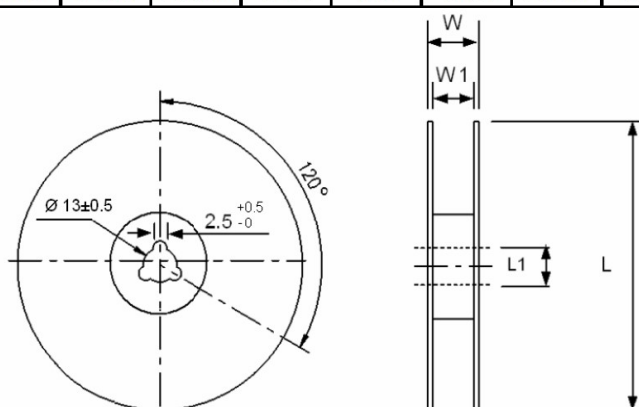
Solder Melting Point :220 °C



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

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