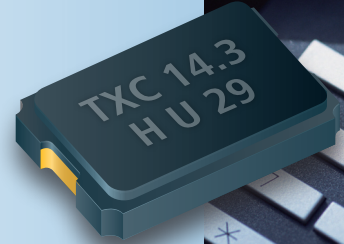


# SMD Glass Sealing Crystals

## 5.0 x 3.2 x 1.2 mm 7A Series

### Features

- 2 pads SMD glass sealed crystal units.
- High reliable environmental performance.
- Tight tolerance and stability parts are available.
- Designed for automatic mounting and reflow soldering.
- Reasonable cost and good delivery performance.
- The best choice of portable PC, PDA, DSC, and USB interface card.
- Contains Pb in sealing glass exempted by RoHS directive.



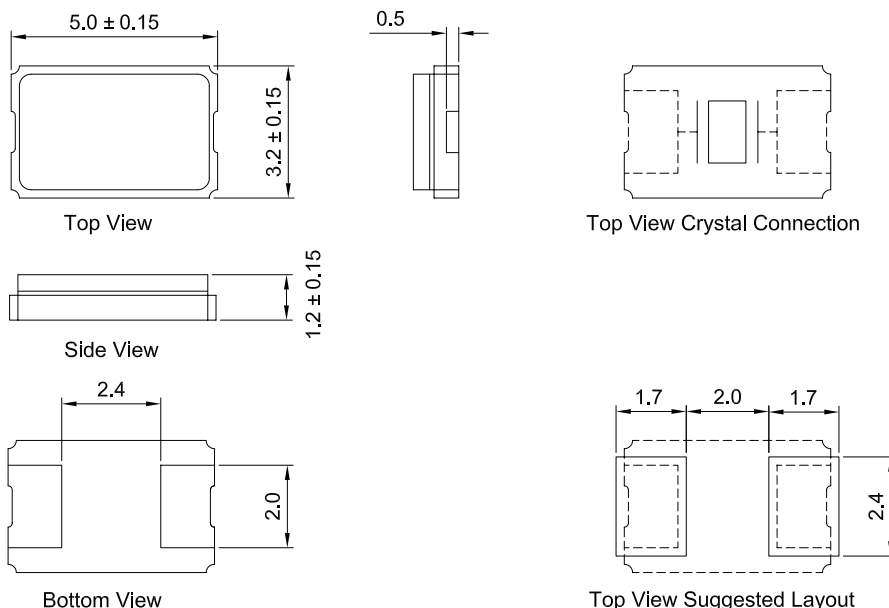
### Electrical Specifications

Item / Type	7A
Frequency Range	8 ~ 80 MHz
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm, or specify
Operating Temperature Range	-10 ~ +70 °C, or specify
Shunt Capacitance (C0)	5 pF Max.
Drive Level	1 ~ 200 μW (100 μW typical)
Load Capacitance	Series, 6 pF, 10 pF, 16 pF, 20 pF, or specify
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C

### Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
8 ~ 12 MHz	80 Ω Max.	40 ~ 80 MHz	100 Ω Max.
12 ~ 54 MHz	50 Ω Max.		

### Dimensions



Units: mm