

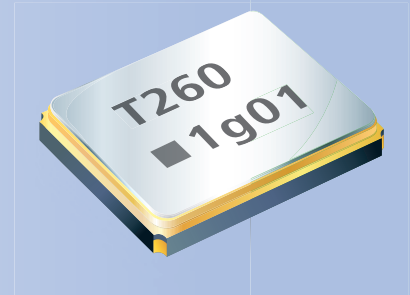
# SMD Seam Sealing Crystals

## 3.2 x 2.5 x 0.7 mm 7M Series

Quartz Crystals  
Series

### Features

- High precision and high frequency stability.
- Extremely good for reducing EMI effect.
- The best choice of Bluetooth, wireless communication set, DSC, PDA, and mobile phone.
- RoHS Compliant / Pb Free.



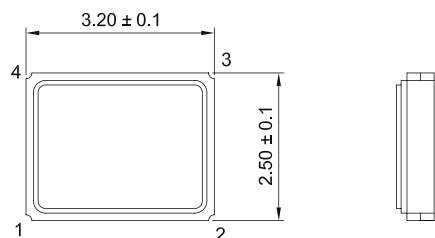
### Electrical Specifications

| Item / Type                                          | 7M                          |
|------------------------------------------------------|-----------------------------|
| Frequency Range                                      | 10 ~ 64 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)                               | 3 pF Max.                   |
| Drive Level                                          | 1 ~ 200 μW (100 μW typical) |
| Load Capacitance                                     | 10 pF, or specify           |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.         |
| Storage Temperature Range                            | - 40 ~ + 85 °C              |

### Equivalent Series Resistance(ESR)

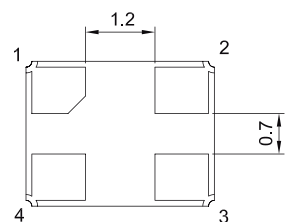
| Fundamental |            |
|-------------|------------|
| 10 ~ 16 MHz | 100 Ω Max. |
| 16 ~ 20 MHz | 80 Ω Max.  |
| 20 ~ 64 MHz | 60 Ω Max.  |

### Dimensions

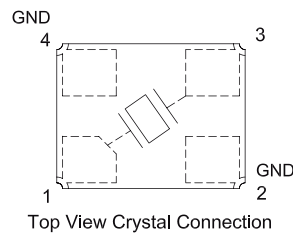


Top View

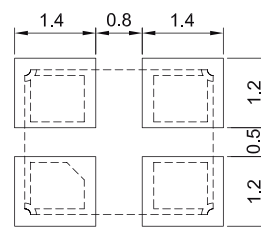
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout

Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>

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