

# SMD Seam Sealing Crystals

## 3.2 x 2.5 x 0.7 mm 7M Series



### Features

- Extremely small SMD type crystal units.
- 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.

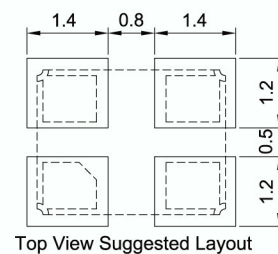
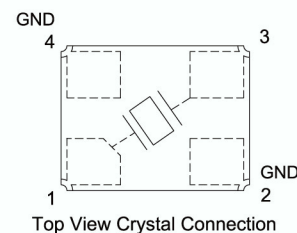
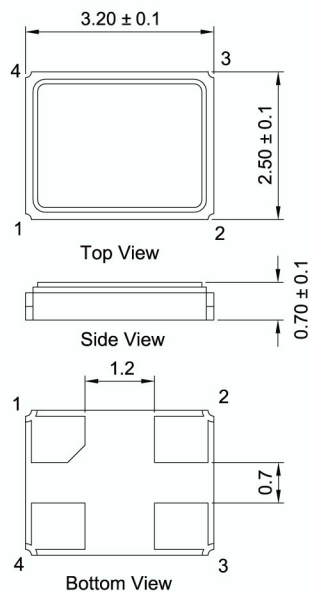
### Electrical Specifications

| Item / Type                    | 7M                                      |
|--------------------------------|-----------------------------------------|
| Frequency Range                | 10 ~ 114.285 MHz                        |
| Frequency Tolerance (at 25 °C) | ± 30 ppm, or specify                    |
| Frequency Stability            | ± 30 ppm ( - 20 ~ + 70 °C ), or specify |
| Operating Temperature Range    | - 40 ~ + 85 °C                          |
| Shunt Capacitance (C0)         | 3 pF Max.                               |
| Drive Level                    | 1 ~ 100 μW (50 μW typical)              |
| Load Capacitance               | 18 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 ~ 114.285 MHz | 60 Ω Max.  |

### Dimensions



Units: mm