

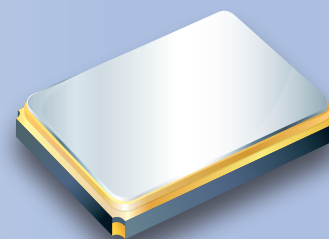
# SMD Seam Sealing Crystals

## 5.0 x 3.2 x 0.9 mm 7B Series

Quartz Crystals  
Series

### Features

- High precision characteristics covering up to wide frequency range.
- Higher frequency stability and reliability.
- Excellent for reducing EMI effect.
- The best choice of Bluetooth, wireless communication set, DSC, PDA, mobile phone and USB interface card.
- RoHS Compliant / Pb Free.



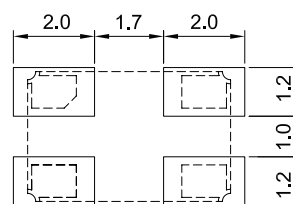
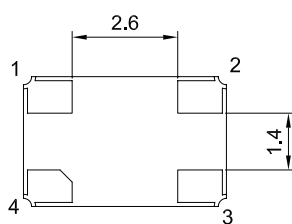
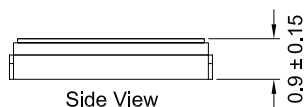
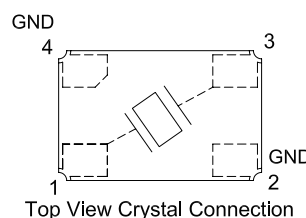
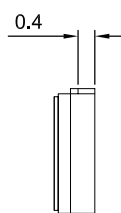
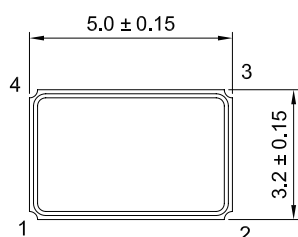
### Electrical Specifications

| Item / Type                                          | 7B                              | 7B(T)                           |
|------------------------------------------------------|---------------------------------|---------------------------------|
| Frequency Range                                      | 8 ~ 125MHz                      |                                 |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm, or specify            | ± 10 ppm                        |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm, or specify            | ± 10 ppm                        |
| Operating Temperature Range                          | -10 ~ +70 °C, or specify        |                                 |
| Shunt Capacitance (C0)                               | 5 pF Max. (2 pF typical)        |                                 |
| Drive Level                                          | 1 ~ 200 μW (100 μW typical)     |                                 |
| Load Capacitance                                     | 10 pF, 16 pF, 20 pF, or specify | 6 pF, 9 pF, 10 pF, 12 pF, 16 pF |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.             | ± 1 ppm / year Max.             |
| Storage Temperature Range                            | - 40 ~ + 85 °C                  |                                 |

### Equivalent Series Resistance(ESR)

| Fundamental |           | 3rd Overtone |            |
|-------------|-----------|--------------|------------|
| 8 ~ 11 MHz  | 80 Ω Max. | 40 ~ 60 MHz  | 120 Ω Max. |
| 12 ~ 54 MHz | 40 Ω Max. | 60 ~ 125 MHz | 80 Ω Max.  |

### Dimensions



Units: mm