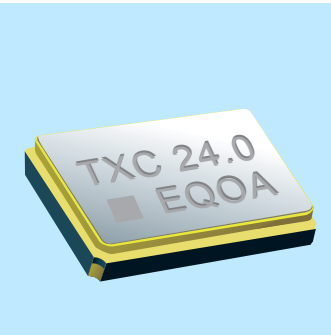




### Features

- > Ultra small SMD type crystal units..
- > 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

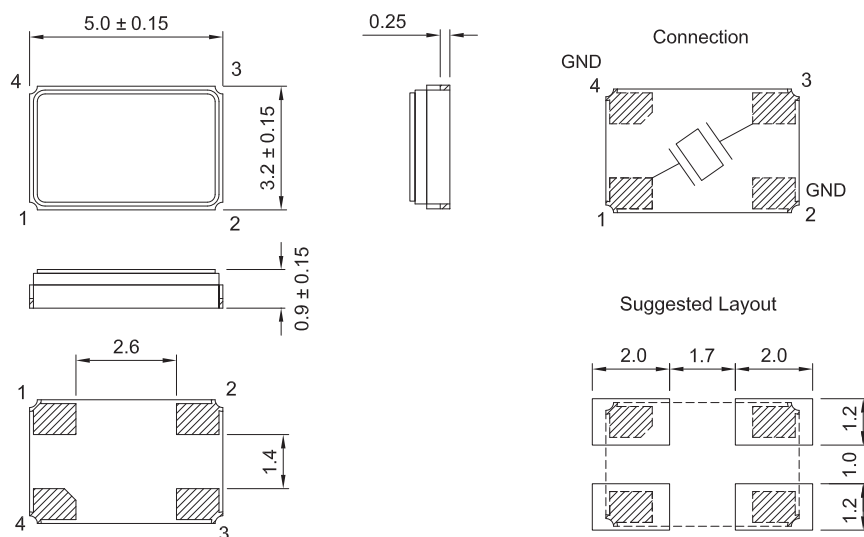
### Electrical Specifications

| Item / Type                                          | 7B                                  |
|------------------------------------------------------|-------------------------------------|
| Frequency Range                                      | 8 ~ 100 MHz                         |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm, or specify                |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm (-20 ~ +70 °C), or specify |
| Operating Temperature Range                          | - 40 ~ + 85 °C                      |
| Shunt Capacitance (C0)                               | 5 pF Max. (2 pF typical)            |
| Drive Level                                          | 1 ~ 100 µW (10 µW typical)          |
| Load Capacitance                                     | 18 pF, or specify                   |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.                 |
| Storage Temperature Range                            | - 55 ~ + 125 °C                     |

### Equivalent Series Resistance(ESR)

| Fundamental |            | 3rd Overtone |            |
|-------------|------------|--------------|------------|
| 8 ~ 12 MHz  | 100 Ω Max. | 40 ~ 60 MHz  | 120 Ω Max. |
| 12 ~ 48 MHz | 40 Ω Max.  | 60 ~ 100 MHz | 80 Ω Max.  |

### Dimensions



Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.