

### 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.



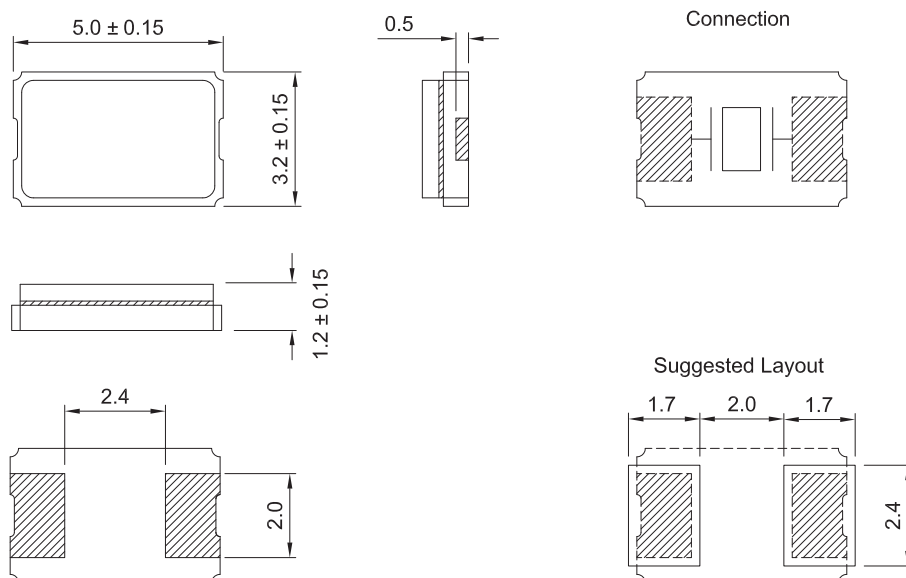
### Electrical Specifications

| 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 (-20 ~ +70 °C), or specify |
| Operating Temperature Range                          | - 40 ~ + 85 °C                      |
| Shunt Capacitance (C0)                               | 5 pF Max.                           |
| Drive Level                                          | 1 ~ 200 µW (100 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  | 80 Ω Max. | 40 ~ 80 MHz  | 100 Ω Max. |
| 13 ~ 54 MHz | 50 Ω Max. |              |            |

### Dimensions



Units:mm

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