



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.