

### 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

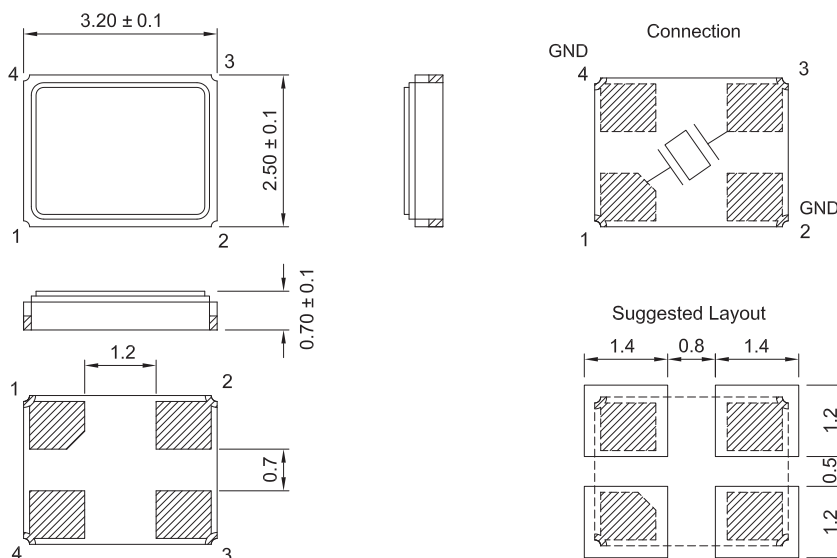
Item / Type	7M
Frequency Range	12 ~ 54 MHz
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm (-20 ~ +70 °C), or specify
Operating Temperature Range	- 40 ~ + 85 °C
Shunt Capacitance (C0)	3 pF Max.
Drive Level	1 ~ 50 μW (10 μW typical)
Load Capacitance	18 pF, or specify
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 55 ~ + 125 °C

\* Please contact our sales for custom frequencies.

### Equivalent Series Resistance(ESR)

Fundamental	
12 ~ 16 MHz	100 Ω Max.
16 ~ 20 MHz	80 Ω Max.
20 ~ 54 MHz	60 Ω Max.

### Dimensions



Units:mm

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