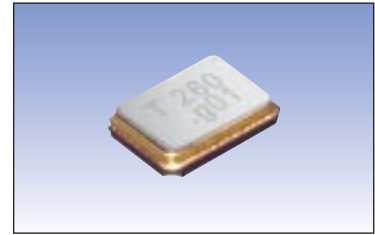


3.2 x 2.5 mm SMD SEAM SEALED CRYSTAL / 7M SERIES

■ **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.
- Lead free parts.



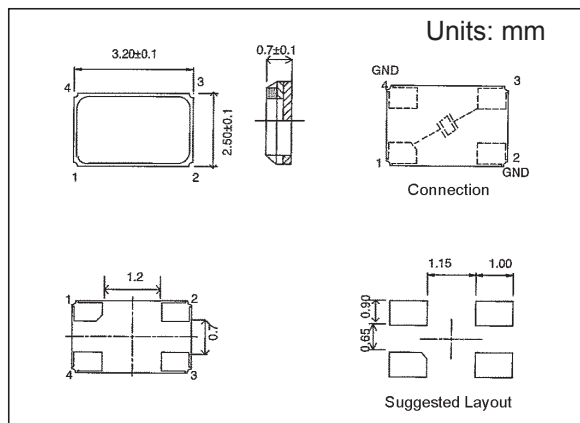
■ **Electrical Specifications**

Item	Type	7M	7M(T)
Frequency Range		12 ~ 54 MHz	
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)		3 pF Max.	
Drive Level		1 ~ 50 μW (10 μW typical)	
Load Capacitance		10 pF, or specify	
Aging (at 25 °C)		± 3 ppm / year Max.	± 1 ppm / year Max.
Storage Temperature Range		-40 ~ +85 °C	

■ **Equivalent Series Resistance (ESR)**

Frequency	Fundamental
12 ~ 54 MHz	60 Ω Max.

■ **Dimensions**



■ **Reflow Condition**

