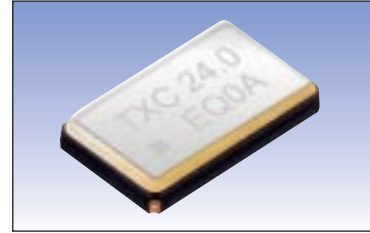


5 x 3.2 mm SMD SEAM SEALED CRYSTAL / 7B SERIES

■ Features

- Ultra small SMD type crystal units.
- High precision characteristic covering up to wide frequency range.
- Higher frequency stability and reliability.
- Excellent for reducing EMI effect.
- The best choice of Bluetooth, wireless communication set, mobile phone, DSC, PDA, and USB interface card.
- Lead free parts.



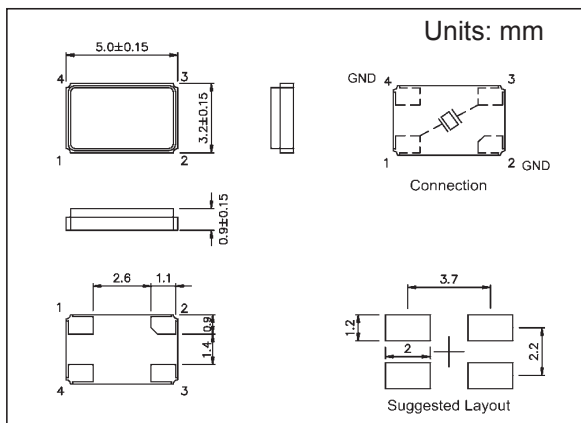
■ Electrical Specifications

Item	Type	7B	7B(T)
Frequency Range		12 ~ 100 MHz	
Frequency Tolerance (at 25 °C)		± 30 ppm, or specify	± 10 ppm
Frequency Stability Over Operating Temperature Range		± 30ppm, or specify	± 10 ppm
Operating Temperature Range		-10 ~ +70 °C, or specify	
Shunt Capacitance (C0)		5 pF Max. (2 pF typical)	
Drive Level		1 ~ 100 μW (10 μW typical)	
Load Capacitance		10 pF, 16 pF, 20 pF, or specify	6 pF, 9 pF, 10 pF, 12 pF, 16 pF
Aging (at 25 °C)		± 3 ppm / year Max.	± 1 ppm / year Max.
Storage Temperature Range		-40 ~ +85 °C	

■ Equivalent Series Resistance (ESR)

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

■ Dimensions



■ Reflow Condition

