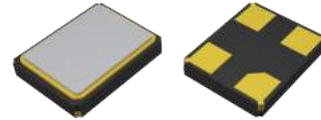


## Quartz Crystal, Series FCX-3M

### SMD Seam Sealed Crystals 3.2×2.5 mm

#### FEATURE

- Size 3.2×2.5, Ultra thin, thickness 0.70mm
- High precision and high frequency stability
- Excellent heat resistance and environmental characteristics
- Designed for automatic mounting and reflow soldering
- RoHS Compliant / Pb Free



#### ELECTRICAL SPECIFICATIONS

Item	Specifications		
Frequency Range(MHz)	8 ~ 10	10 ~ 24	24 ~ 104
Mode	AT/Fundamental		
Load Capacitance (CL)	8pF, 9pF, 10pF, 12pF, 18pF, 20pF, or Specify		
Frequency Tolerance(at 25°C)	±10ppm ~ ±30ppm or specify		
Operating Temperature Range	-20 ~ +70°C, -40 ~ +125°C or Specify		
Frequency Stability Over Operating Temperature Range	±10ppm ~ ±30ppm or specify		
Equivalent Series Resistance (ESR) max.	200Ω	80Ω	60Ω
Storage Temperature Range	-55 ~ +125°C		
Shunt Capacitance(C <sub>0</sub> )	3pF Max		
Driver Level (Typical)	1 ~ 100μW (50μW typical)		
Aging @25 °C 1st Year (Max)	±3ppm/year max		

#### DIMENSION (mm)

