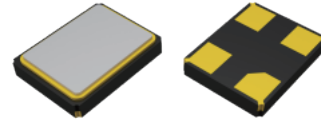


## Quartz Crystal, Series FCX-3M

### 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)

