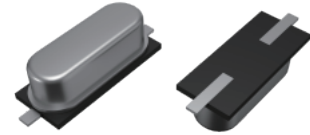


## Quartz Crystal, Series FCX-9M

### Resistance Welded HC-49 SMD

#### FEATURE

- Surface mount type crystal units
- A great number of standard frequencies
- Higher frequency pullability and lower equivalent series resistance
- Lower cost and highly mass production capability
- RoHS Compliant / Pb Free



#### ELECTRICAL SPECIFICATIONS

Item	Specifications					
Frequency Range(MHz)	3.2~6	6~8	8~16	16~54	30~50	50~100
Mode	AT/Fundamental			AT/3 <sup>rd</sup>	AT/3 <sup>rd</sup>	
Load Capacitance (CL)	8pF, 10pF, 12pF, 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.	150Ω	60Ω	50Ω	30Ω	80Ω	60Ω
Storage Temperature Range	-55 ~ +125°C					
Shunt Capacitance(C <sub>0</sub> )	7pF Max					
Driver Level (Typical)	1μW~ 500μW (100μW typical)					
Aging @25 °C 1st Year (Max)	±3ppm/year or ±5ppm/year					

#### DIMENSION (mm)

