



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

**EX 22**  
Series  
**MILITARY**  
Thru-Hole Crystal

Features: *Mil-Spec, Custom Made-to-Order, 3<sup>rd</sup> Overtone, HC-49 Size Series*

PARAMETERS	EX221	EX222	EX223	EX224
Package Part#	T120	T180	T170	T240
Frequency Range (MHz)	15.0 ~ 100.0			
Overtone	3 <sup>rd</sup>			
Frequency Calibration ( $\pm$ ppm)	10 TYP			
Frequency Stability ( $\pm$ ppm)	30 TYP			
Operating Temp. Range ( $^{\circ}$ C)	-55 ~ +105			
Max. Resistance Level (ohms)	15.0MHz~ 60, 30.0MHz~ 40			
Resonance Type	Series or Load (Specify 10 ~ 50 pF)			
Max. Drive Level ( $\mu$ W)	2,000			
Test Drive Level ( $\mu$ W)	Per Specification (200 Typical)			

### STANDARD AVAILABLE OPTIONS

Parts are manufactured and tested per MIL-C-3098 and marked per MIL-STD-1285

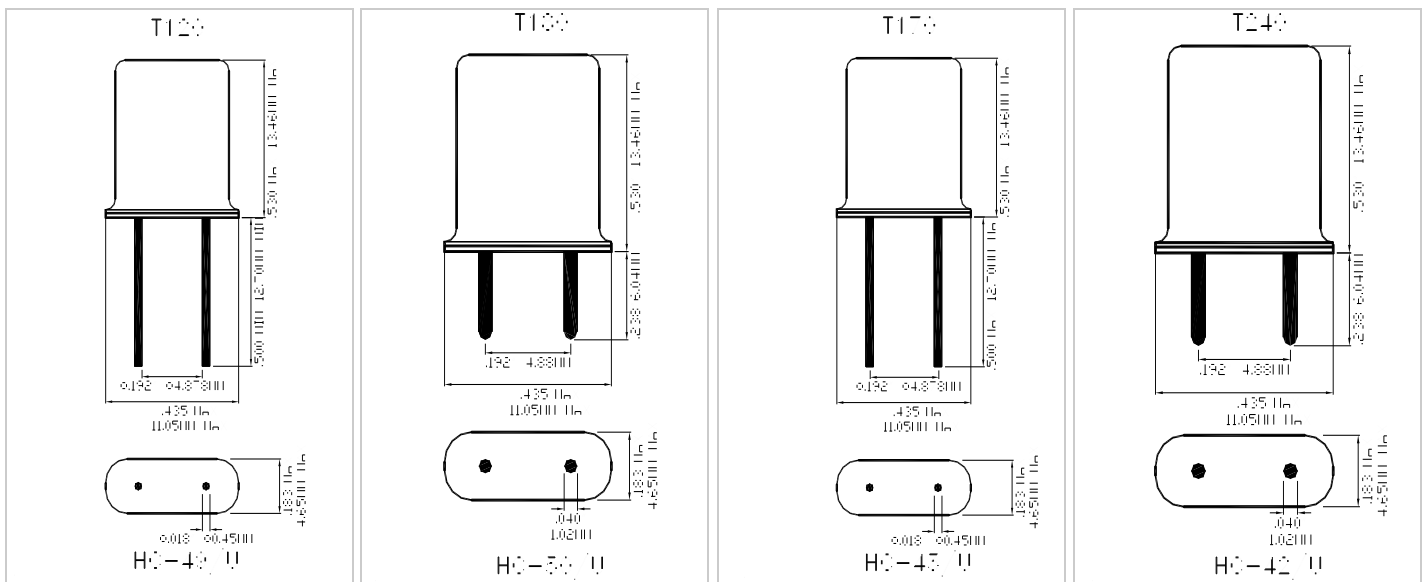
Parts are manufactured to meet the electrical & mechanical requirements of MIL-STD-202

Frequency Calibration ( $\pm$ ppm): 5, 10, 15, 20, 25

Frequency Stability ( $\pm$ ppm): 5, 10, 15, 20, 25, 50 (Frequency and Temp. Range Dependent)

Operating Temp. Range ( $^{\circ}$ C): Downward to -60 and Upward to +150 (Frequency Range Dependent)

Max. Resistance Level ( $\Omega$ ): Lower values are available (Frequency Range Dependent)



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