



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

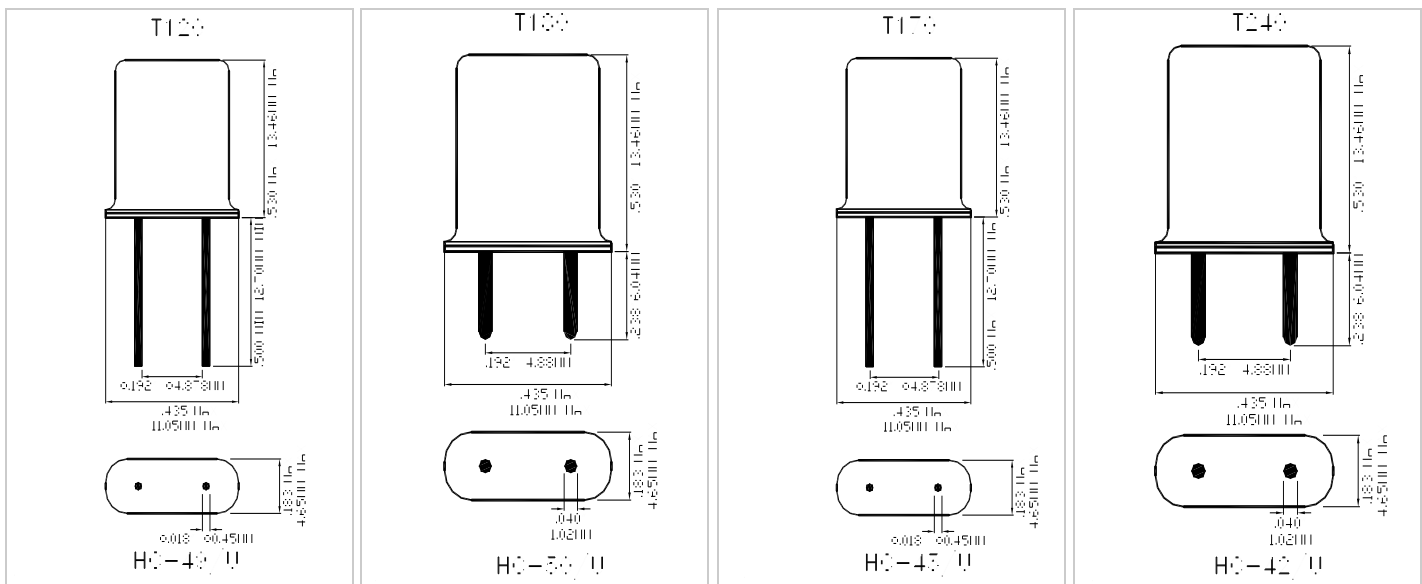
**EX 21**  
Series  
**MILITARY**  
Thru-Hole Crystal

*Features: Military, Custom Made-to-Order, Fundamental, HC-49 Size Series*

PARAMETERS	EX211	EX212	EX213	EX214
Package Part#	T120	T180	T170	T240
Frequency Range (MHz)	1.8 ~ 40.0			
Overtone	Fundamental			
Frequency Calibration ( $\pm$ ppm)	10 Typical			
Frequency Stability ( $\pm$ ppm)	30 Typical			
Operating Temp. Range ( $^{\circ}$ C)	-55 ~ +105			
Max. Resistance Level ( $\Omega$ )	1.8MHz ~ 500 $\Omega$ , 2.8MHz ~ 300 $\Omega$ , 3.5MHz ~ 150 $\Omega$ , 5.0MHz ~ 80 $\Omega$ , 7.5MHz ~ 50 $\Omega$ , 9.0MHz ~ 30 $\Omega$			
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-PRF-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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