



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

**EX 45**  
Series  
**COMMERCIAL**  
SMD Crystal

Features: *Commercial, Industrial, Custom Made-to-Order, HC-45 Gull-Wing Series*

PARAMETERS	EX451	EX452	EX453
Package Part#		S140	
Frequency Range (MHz)	12.0 ~ 40.0	42.0 ~ 100.0	60.0 ~ 150.0
Overtone	Fundamental	3 <sup>rd</sup>	5 <sup>th</sup>
Frequency Calibration ( $\pm$ ppm)		50	
Frequency Stability ( $\pm$ ppm)		50	
Operating Temp. Range ( $^{\circ}$ C)		0 ~ +70	
Max. Resistance Level ( $\Omega$ )		Frequency Dependent	
Resonance Type		Series or Load (Specify 10 ~ 50 pF)	
Max. Drive Level ( $\mu$ W)		500	
Test Drive Level ( $\mu$ W)		50	

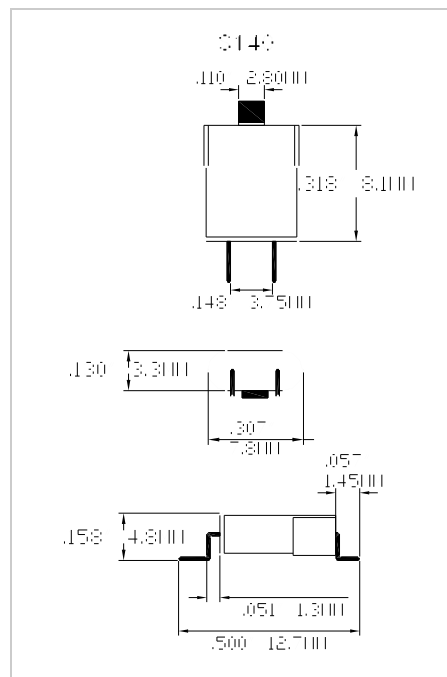
### STANDARD AVAILABLE OPTIONS

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

Frequency Stability ( $\pm$ ppm): 10, 15, 20, 25, 30 (Frequency and Temp. Range Dependent)

Operating Temp. Range ( $^{\circ}$ C): Downward to -40 and Upward to +105 (Frequency Range Dependent)

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



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