



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

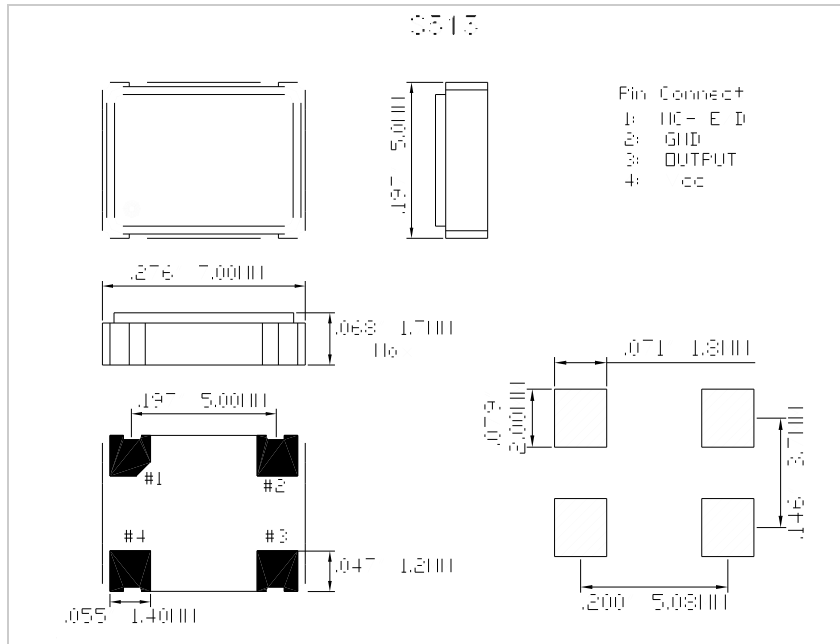
**EC 50**  
Series  
**HCMOS**  
SMD Clock Oscillators

Features: 5.0 x 7.0 mm, 3.0, 2.5 & 1.8 V, CMOS Compatible, Seam Seal Metal Lid

PARAMETERS	EC501	EC502	EC503
Package Part#		S513	
Frequency Range (MHz)		1.8 ~ 125	
Frequency Stability ( $\pm$ ppm)		50	
Temperature Range ( $^{\circ}$ C)	Operating - 0 ~ +70 / Storage - -55 ~ +125		
Supply Voltage (V)	3.0 $\pm$ 5%	2.5 $\pm$ 5%	1.8 $\pm$ 5%
Supply Current (mA)	10 ~ 60(Freq. Dependent)	10 ~ 60(Freq. Dependent)	7 ~ 50 (Freq. Dependent)
Rise & Fall Time (nS)	6 Max		
Startup Time (mS)	10 Max		
Output "0" / "1" Level (V)	10% of Vcc Max / 90% of Vcc Min		
Symmetry (Duty Cycle) (%)	40 / 60 STD (45 / 55 Available)		
Output (CMOS)	15 pF		
Tristate Function	With		

**STANDARD AVAILABLE OPTIONS**

Frequency Stability ( $\pm$ ppm): 20, 25, 100  
 Operating Temp. Range ( $^{\circ}$ C): -20 ~ +70, -30 ~ +75, -40 ~ +85



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