

Specifications

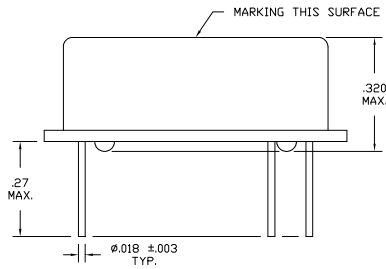
Frequency	10.0 MHz to 50.0 MHz		
Output	TCXO3081 – CMOS Squarewave ; TCXO3082 - Clipped Sinewave		
Load	TCXO3081 - 15pF; TCXO3082 – 10pf / 10kohms		
Symmetry	50% ± 10% (squarewave version)		
Temp Stability	Temp Range	Tolerance	Option
	-20 to +70°C	±7x10 ⁻⁸	N78
	-40 to +85°C	±1x10 ⁻⁷	T17
Freq vs. Supply	±1x10 ⁻⁷ for a 5% change		
Aging	±3x10 ⁻⁷ per year after 30 days (10 MHz typ)		
Supply V	+5.0 or +3.3 VDC ± 5%		
Input Current	30mA max		
Phase Noise (10MHz CMOS typ)	Offset	dBc/Hz	
	10 Hz	-95	
	100 Hz	-120	
	1 kHz	-140	
	10 kHz	-150	
	100 kHz	-155	
Frequency Adjust	±5ppM typ; via 0 to Vsupply EFC; positive slope		
Environmental	Storage Temp: -55 to +105°C		
	Random Vibration: MIL-STD-202, Meth 214, Cond I-J		
	Sine Vibration: MIL-STD-202, Meth 204, Cond D		
	Shock: MIL-STD-202, Meth 213, Cond F		

Applications

- Cellular Base Stations
- Land Mobile Radio
- Wireless Local Loop
- Microwave Communication Equipment
- GPS Timing / Synchronization
- Automatic meter reading
- Test and Measurement Equipment

Ordering Example:

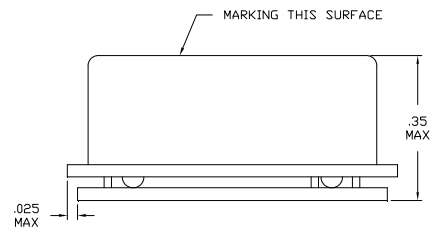
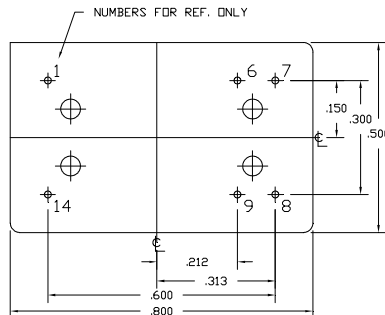
TCXO3081-T17-3.3-SM-10MHz
(Model-Stab-Inp V-Package-Freq)



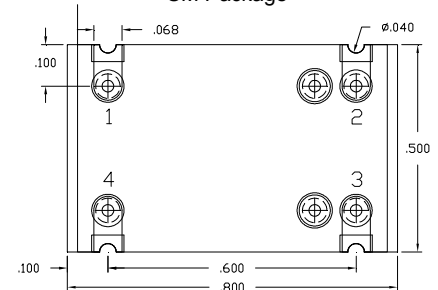
"TH" Pin Configuration

- Pin 1 EFC
- Pin 6 N/C (Factory Use Only)
- Pin 7 0V / Case Gnd
- Pin 8 Output
- Pin 9 N/C (Factory Use Only)
- Pin 14 Input V

TH Package



SM Package



"SM" Pad Configuration

- Pad 1 EFC
- Pad 2 0V / Case Gnd
- Pad 3 Output
- Pad 4 Input V