MVX Series

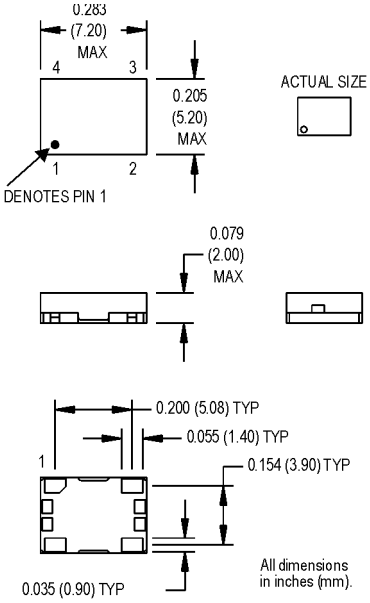
5x7 mm, 3.0/3.3/5.0 Volt, Clipped Sinewave TCVCXO

Features:

- Miniature Size
- Tight Stability: ± 2.5 ppm, -30°C to +75°C
- 3.0V, 3.3V, and 5.0V Options
- Good Phase Noise Performance
- Low Power
- Voltage Tuned

Applications

- PLL Reference Oscillator
- Cellular/PCS Systems
- Mobile/Portable Communications Equipment



MODEL NO.	OPERATING VOLTAGE
MVXA	5.0 VDC ±5%
MVXB	3.3 VDC ±5%
MVXC	3.0 VDC ±5%

Pin Connections

PIN	FUNCTION
1	Control Voltage
2	Ground
3	Output
4	+Vcc

Electrical Specifications

PARAMETERS	VALUE
Standard Frequencies (MHz)	12.600, 12.800, 13.000, 14.400, 14.850, 19.200, 19.680, 19.800
Stability	±2.5 ppm
Stability with ±5% Vcc Change	±0.1 ppm
Aging	±1 ppm/yr. Max.
Operating Temperature	-30°C to +75°C
Storage Temperature	-40°C to +85°C
Supply Voltage	+3.0 V ±5%
Supply Current (No Load)	2 mA Max.
Output (Clipped Sinewave)	0.8 V p-p Min.
Output Load[1]	10K Ω || 10 pF
Control Range	±5 to ±15 ppm Min.
Control Voltage	1.5 V ±1 V

[1] See load circuit diagram #7