

# MVX Series

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

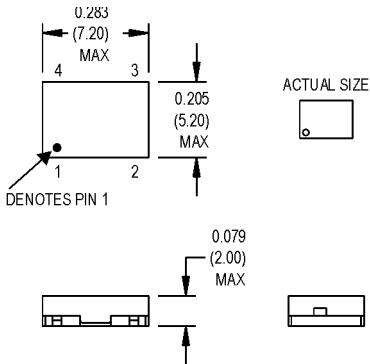


## Features:

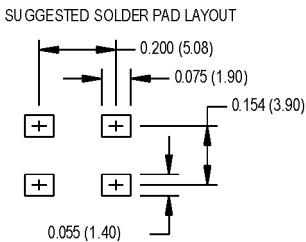
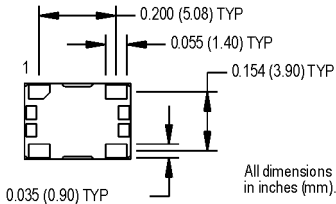
- Miniature Size
- Tight Stability:  $\pm 2.5$  ppm,  $-30^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$
- 3.0V, 3.3V, and 5.0V Options
- Good Phase Noise Performance
- Low Power
- Voltage Tuned

## Applications

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



MODEL NO.	OPERATING VOLTAGE
MVXA	5.0 VDC $\pm 5\%$
MVXB	3.3 VDC $\pm 5\%$
MVXC	3.0 VDC $\pm 5\%$



## 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	$\pm 2.5$ ppm
Stability with $\pm 5\%$ Vcc Change	$\pm 0.1$ ppm
Aging	$\pm 1$ ppm/yr. Max.
Operating Temperature	$-30^{\circ}\text{C}$ to $+75^{\circ}\text{C}$
Storage Temperature	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
Supply Voltage	+3.0 V $\pm 5\%$
Supply Current (No Load)	2 mA Max.
Output (Clipped Sinewave)	0.8 V p-p Min.
Output Load <sup>1</sup>	10K $\Omega$    10 pF
Control Range	$\pm 5$ to $\pm 15$ ppm Min.
Control Voltage	1.5 V $\pm 1$ V

<sup>1</sup> See load circuit diagram #7