

# OCXO Series OCXO Crystal Oscillator

## Feature

- SC-Cut Construction
- Temperature Range: -40 to +85°C
- Either CMOS or Sinewave output
- Frequency Stability:  $\pm 5\text{ppb} \sim \pm 10\text{ppbmax}$ .
- Low Phase Noise / Phase Jitter
- RoHS Compliant / Pb Free

## Applications

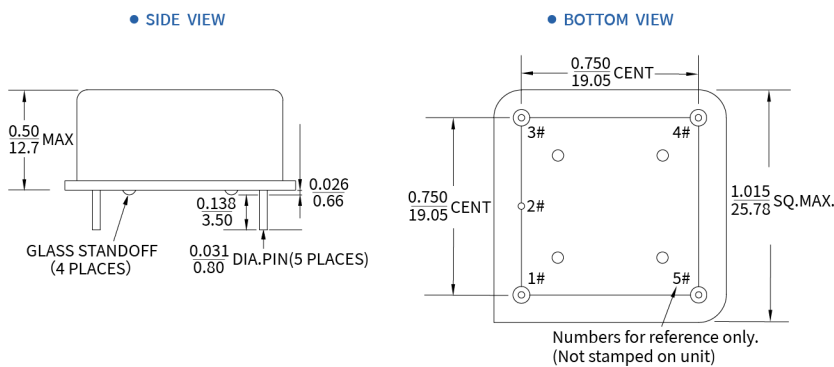
- COTS Military & Industrial Radios & Timing Circuits
- Cellular Infrastructure
- Radar Systems
- Test & Measurement Equipment
- GPS Tracking with precision hold-over accuracy



## Electrical Specifications

Item		Electrical spec.
Frequency Range		10 to 100 MHz
Temperature Range		-40°C ~ +85°C
Temperature Stability		$\pm 10\text{ppb} \sim \pm 5\text{ppb}$
Supply Voltage		+12Vdc $\pm 5\%$
Aging Over 1 Year		$\pm 50\text{ppb}$
Aging Per Day		$\pm 0.5\text{ppb}$
Turn-on Power		6 watts
Steady State Power		1 to 1.5 watts
Warm-up Current		400mA max
Warm-up time @25°C		$\pm 10\text{ppb}$ in 10 min.
Output Single		Sine Wave
Phase Noise	1Hz	-90dBc/Hz
	10Hz	-120dBc/Hz
	100Hz	-140dBc/Hz
	1KHz	-150dBc/Hz
	10KHz	-155dBc/Hz

## Dimensions (UNIT:mm)



Pin Connection

PIN	FUNCTION
1	R.F.OUTPUT
2	0 VOLTS & CASE
3	VCO INPUT/NOT CONNECTED
4	REFERENCE VOLTAGE/ NOT CONNECTED/OVEN MONITOR
5	+VDC

Note:  
1.If the specification does not specify parameters for either PIN3 or PIN4 then that respective PIN is NOT internally CONNECTED.