

# XO7060 Series VCXO

## Applications

SONET/SDH  
Cellular Base Stations  
High Frequency  
Phase Locking  
Data Communications



## Features

High Frequency  
Wide Pulling Range

## Typical Specifications

Model	Frequency (MHz)	Temperature Range (°C)	Temperature Stability	Tuning	Output	Supply Voltage
XO7060	240	-40 to +85	±20 ppm	±40 ppm min	Sine	5 V ±0.25 V
Options	30 - 240	Consult Factory				

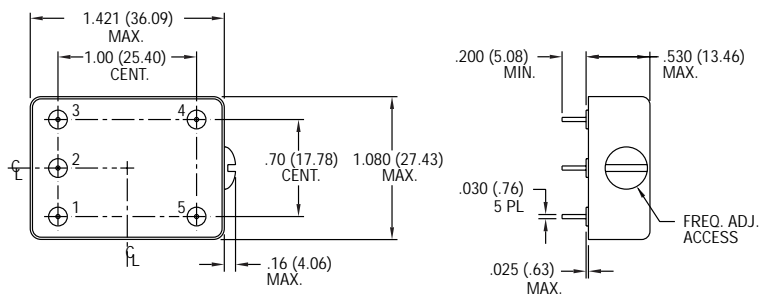
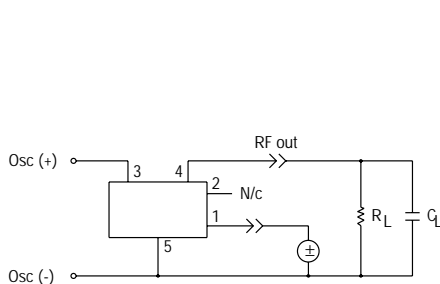
## Additional Specifications

Current 30 mA max  
Electronic frequency control  
Tuning voltage range 1 to 4 V  
Center frequency voltage 2.5 ±0.5 V  
Frequency tuning range ±40 ppm min  
Transfer function Positive monotonic  
Tune port modulation bandwidth 3 kHz min  
Output 0 dBm (nominal)  
Load 50 Ω

## Phase Noise Max @ 240 MHz

10 Hz -60 dBc/Hz  
100 Hz -90 dBc/Hz  
1 kHz -120 dBc/Hz  
10 kHz -140 dBc/Hz  
100 kHz -140 dBc/Hz  
1 MHz -140 dBc/Hz

Note: Phase noise improves at lower center frequencies and narrower tuning ranges.



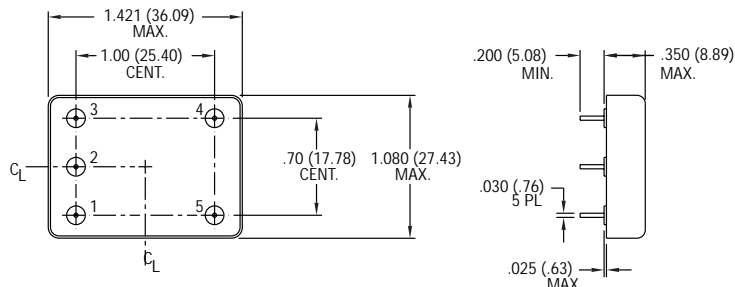
WITH MECHANICAL TRIM

Dimensions are in inches (mm)

### PIN CONNECTIONS

- VCO INPUT
- N/C
- SUPPLY (+)
- RF OUTPUT
- CASE GROUND

Pin numbers shown for ref. only.  
Numbers are not marked on unit.



WITHOUT MECHANICAL TRIM



Specifications are subject to change without notice.