

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					

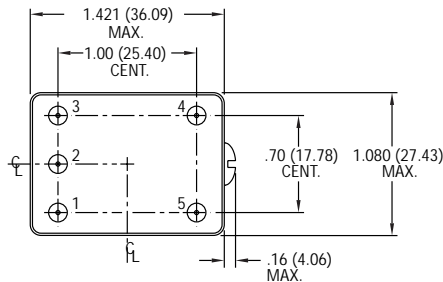
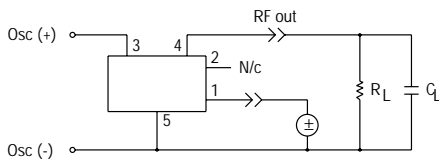
Additional Specifications

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

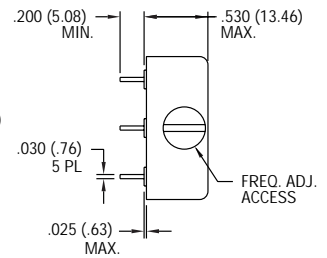
Phase Noise Max @ 240 MHz

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.



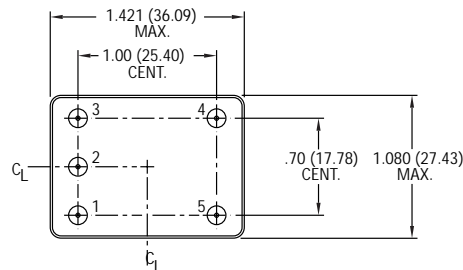
WITH MECHANICAL TRIM



Dimensions are in inches (mm)

PIN CONNECTIONS
1. VCO INPUT
2. N/C
3. SUPPLY (+)
4. RF OUTPUT
5. CASE GROUND

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



WITHOUT MECHANICAL TRIM

