

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				

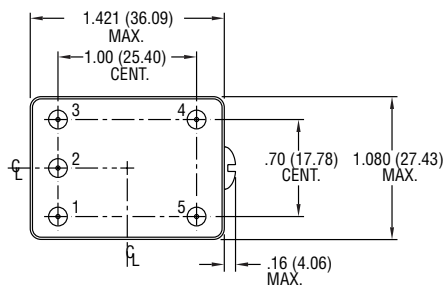
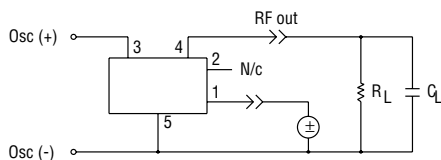
Additional Specifications

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

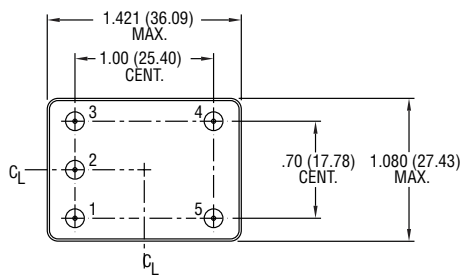
Phase Noise Max @ 240 MHz

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



WITHOUT MECHANICAL TRIM

Dimensions are in inches (mm)

PIN CONNECTIONS

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

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



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Specifications are subject to change without notice.