



Phase Locked Oscillator

8 GHz

FSG8000LX Rev A1

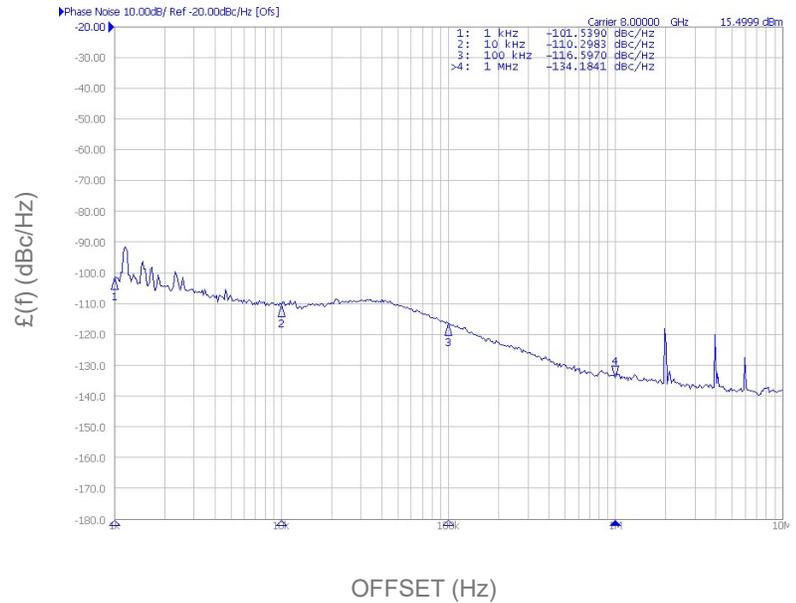
Features

- Rugged, all Metal Enclosure
- Input for 100mhz for External Reference Oscillator
- Ultra Low Phase Noise
- Available at Fixed Frequency From 0.5 GHz - 12 GHz

Applications

- Local Oscillator
- Reference Oscillator
- Test & Measurement
- Defense
- Commercial Communication
- SATCOM
- Clock Source

PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Frequency	8000		8000	MHz
Phase Noise @ 1 kHz		-101	-96	dBc/Hz
Phase Noise @ 10 kHz offset (1 Hz BW)		-110	-105	dBc/Hz
Phase Noise @ 100 kHz		-117	-112	dBc/Hz
Harmonic Suppression (2nd)		-35		dBc
Power Output	12	15	17	dBm
Operating Temperature Range	-40		85	°C
Package Style				
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage	14	15	20	Vdc
Supply Current at 15 Vdc		150		mA
External Reference Oscillator (suggested Specs)	Min	Typ	Max	Units
Frequency		100		MHz
Phase Noise @1 kHz Offset		-140		dBc/Hz

LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

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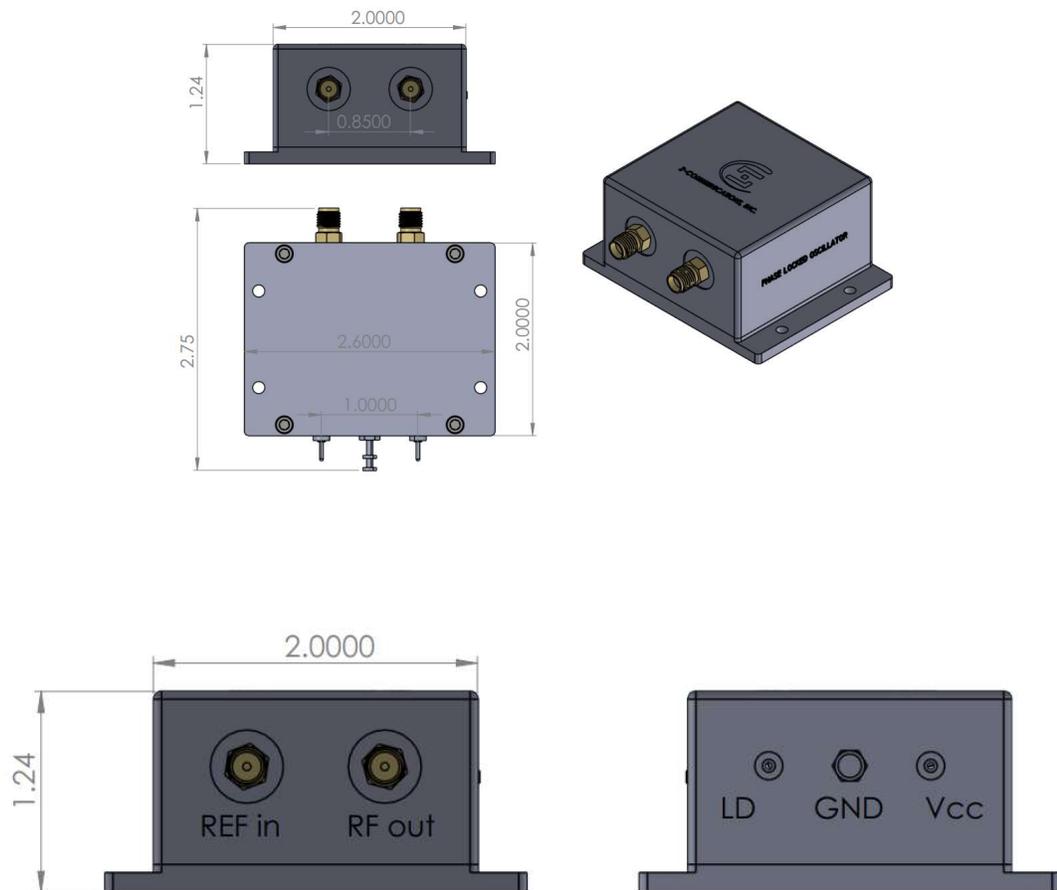
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Description

The Z-COMM FSG series of Phase Locked Oscillators (PLO) provide high performance in a compact, all metal package suitable for any number of applications. Its rugged enclosure lends itself to in-field use as well as bench top testing. The highly reliable output signal, excellent phase noise, and flexibility of an internal reference or input for an external reference, provides RF Engineers with a stable frequency to aid in testing their systems.

Physical Dimensions





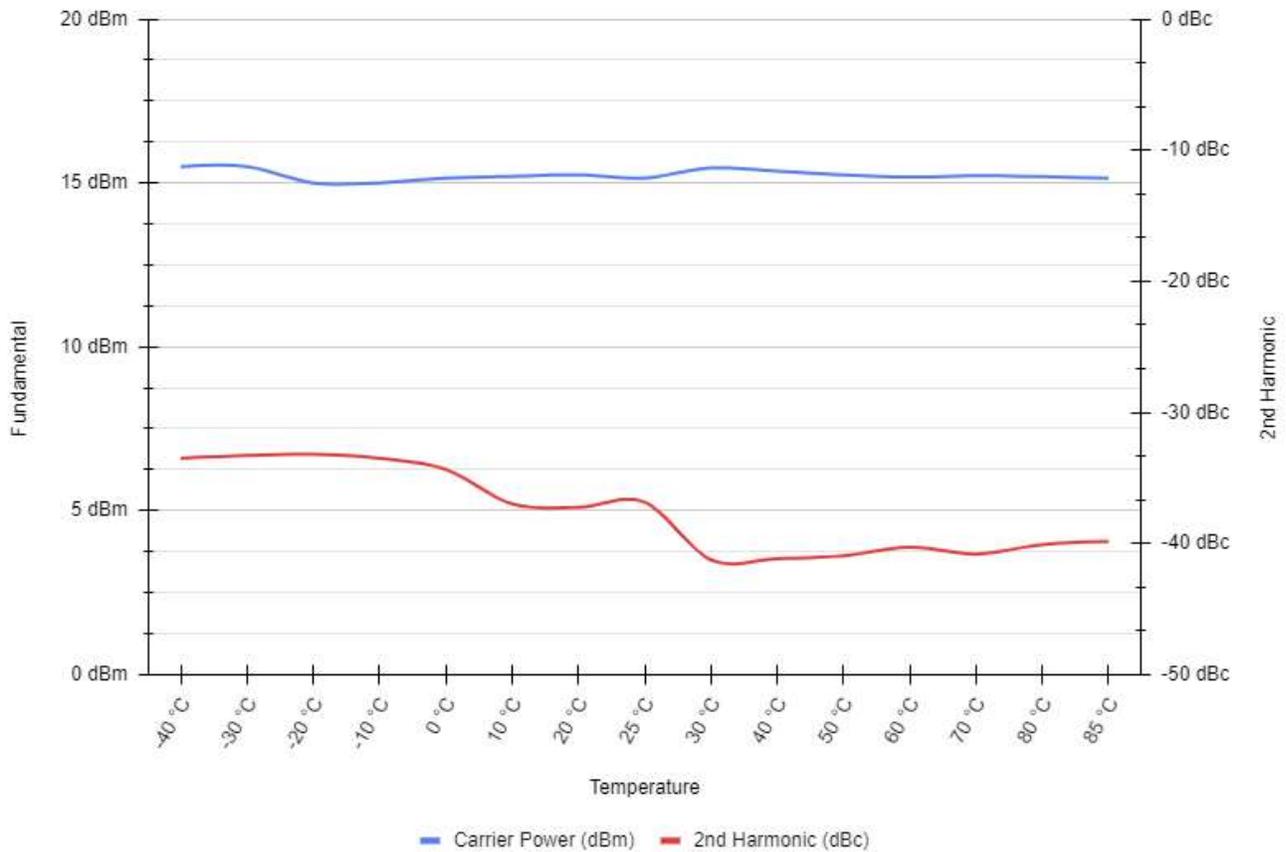
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FSG8000LX - 8GHz Phase Locked Oscillator



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