



# Phase Locked Oscillator

# 1 GHz

# FSG1000A Rev A1

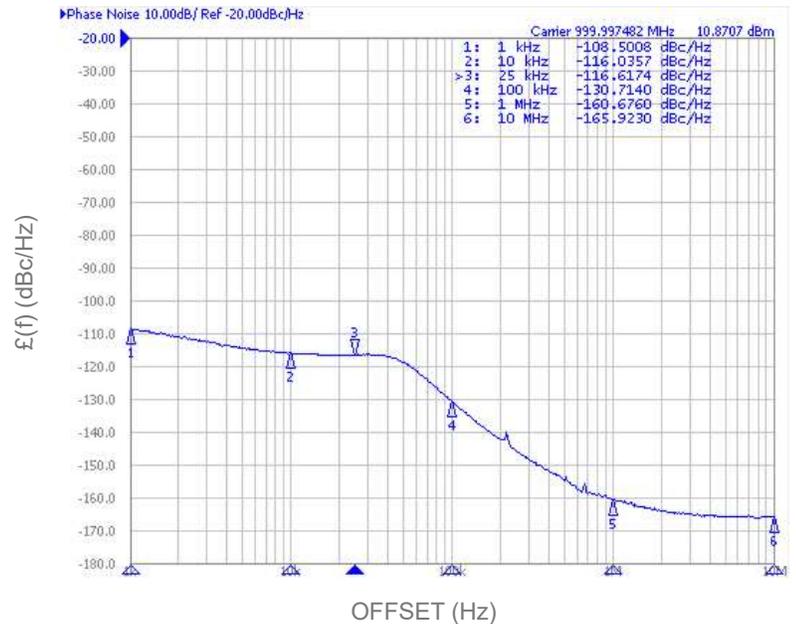
## Features

- Rugged, all Metal Enclosure
- Input For External Reference Oscillator
- Excellent Phase Noise
- Low Power Consumption
- Available at Fixed Frequency From 1 GHz - 9 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	1000		1000	MHz
Phase Noise @ 1 kHz		-109	-104	dBc/Hz
Phase Noise @ 10 kHz offset (1 Hz BW)		-116	-111	dBc/Hz
Phase Noise @ 100 kHz		-130	-125	dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Power Output	9	10	11	dBm
Operating Temperature Range	-30		70	°C
Package Style				
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage	6	8	12	Vdc
Supply Current		105		mA
Reference Oscillator - External	Min	Typ	Max	Units
Frequency		100		MHz

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

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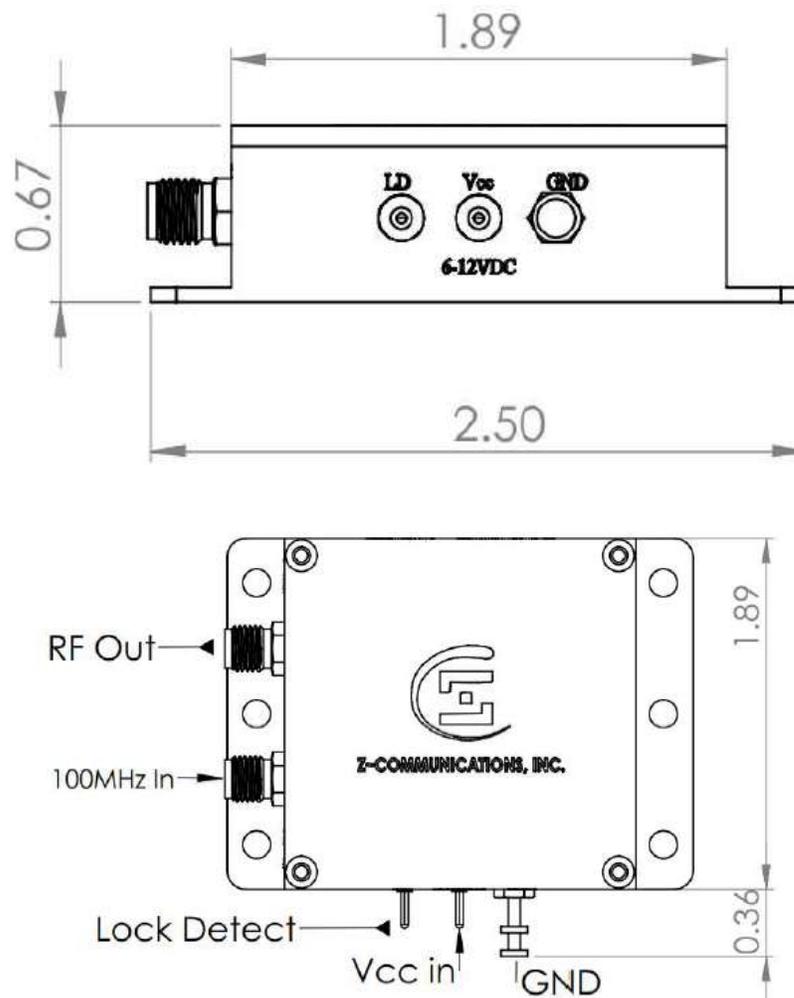
**FSG1000A**

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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, when locked to an external 100MHz reference, provides RF Engineers with a stable frequency to aid in testing their systems.

### Physical Dimensions



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