



Phase Locked Oscillator

4 GHz

FSG4000A Rev A1

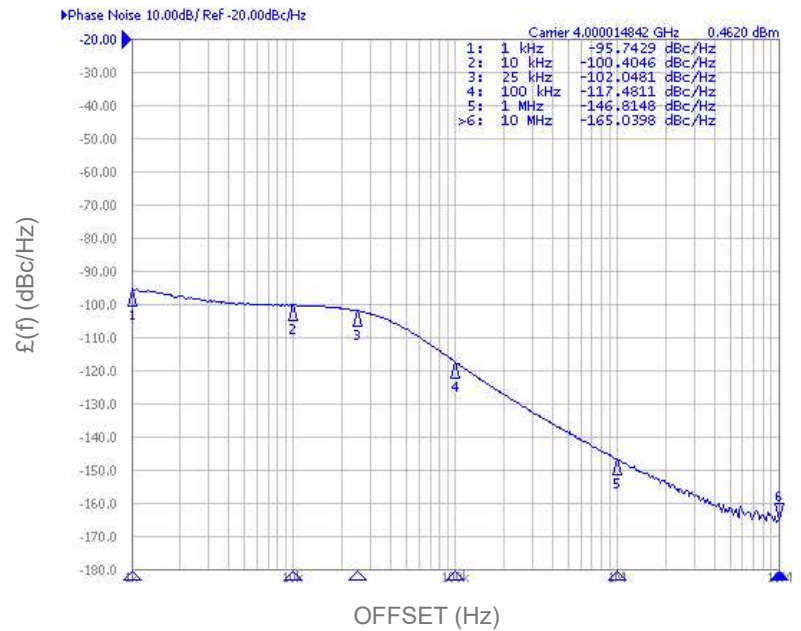
Features

- 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	4000		4000	MHz
Phase Noise @ 1 kHz		-89	-85	dBc/Hz
Phase Noise @ 10 kHz offset (1 Hz BW)		-96	-1	dBc/Hz
Phase Noise @ 100 kHz		-124	-119	dBc/Hz
Harmonic Suppression (2nd)		-15		dBc
Power Output	6	7	8	dBm
Operating Temperature Range	-30		60	°C
Package Style				
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage	6	8	12	Vdc
Supply Current		120		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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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

