



Phase Locked Oscillator

GHz

FSG3000LX Rev A1

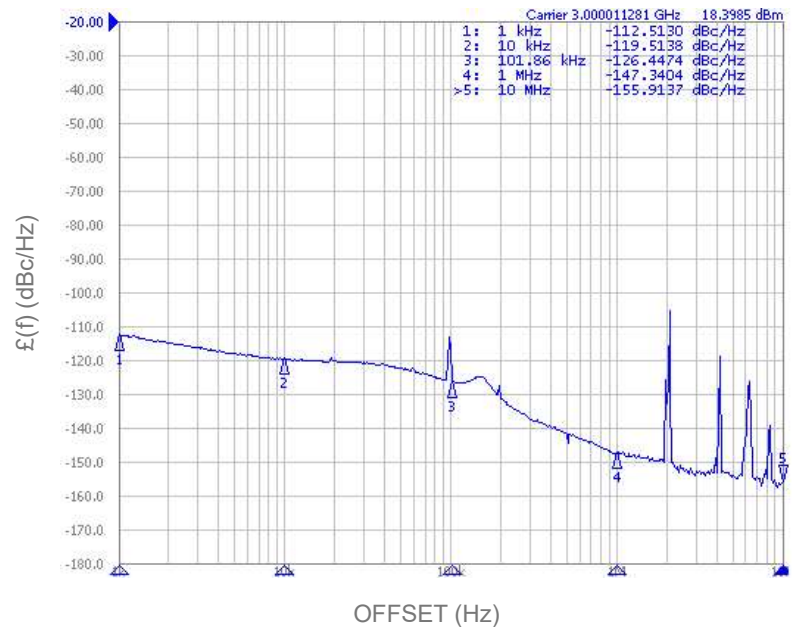
Features

- Rugged, all Metal Enclosure
- Input for 100mhz 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 | 3000 | | 3000 | MHz |
| Phase Noise @ 1 kHz | | -111 | -108 | dBc/Hz |
| Phase Noise @ 10 kHz offset (1 Hz BW) | | -118 | -115 | dBc/Hz |
| Phase Noise @ 100 kHz | | -124 | -121 | dBc/Hz |
| Harmonic Suppression (2nd) | | -10 | | dBc |
| Power Output | 14 | 18 | 20 | dBm |
| Operating Temperature Range | -40 | | 85 | °C |
| Package Style | | | | |
| Power Supply Requirements | Min | Typ | Max | Units |
| Supply Voltage | 7 | 15 | 20 | Vdc |
| Supply Current at 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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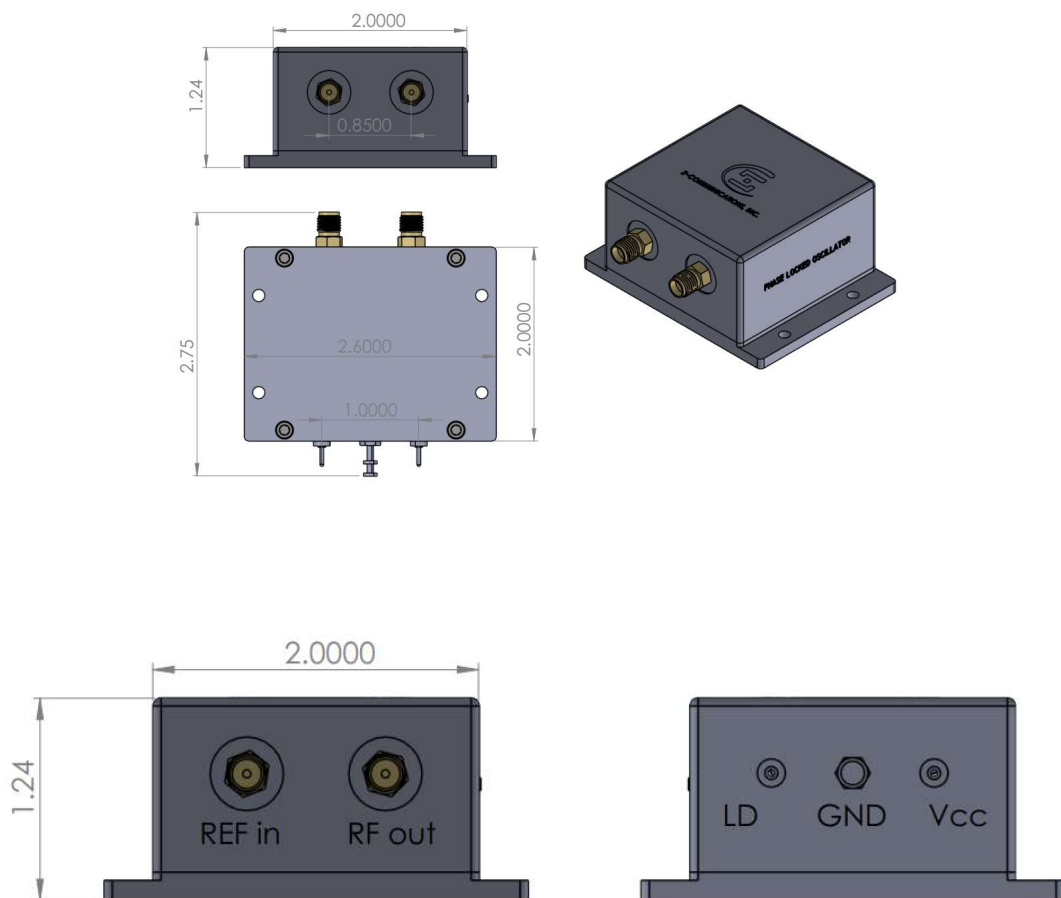
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Description

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



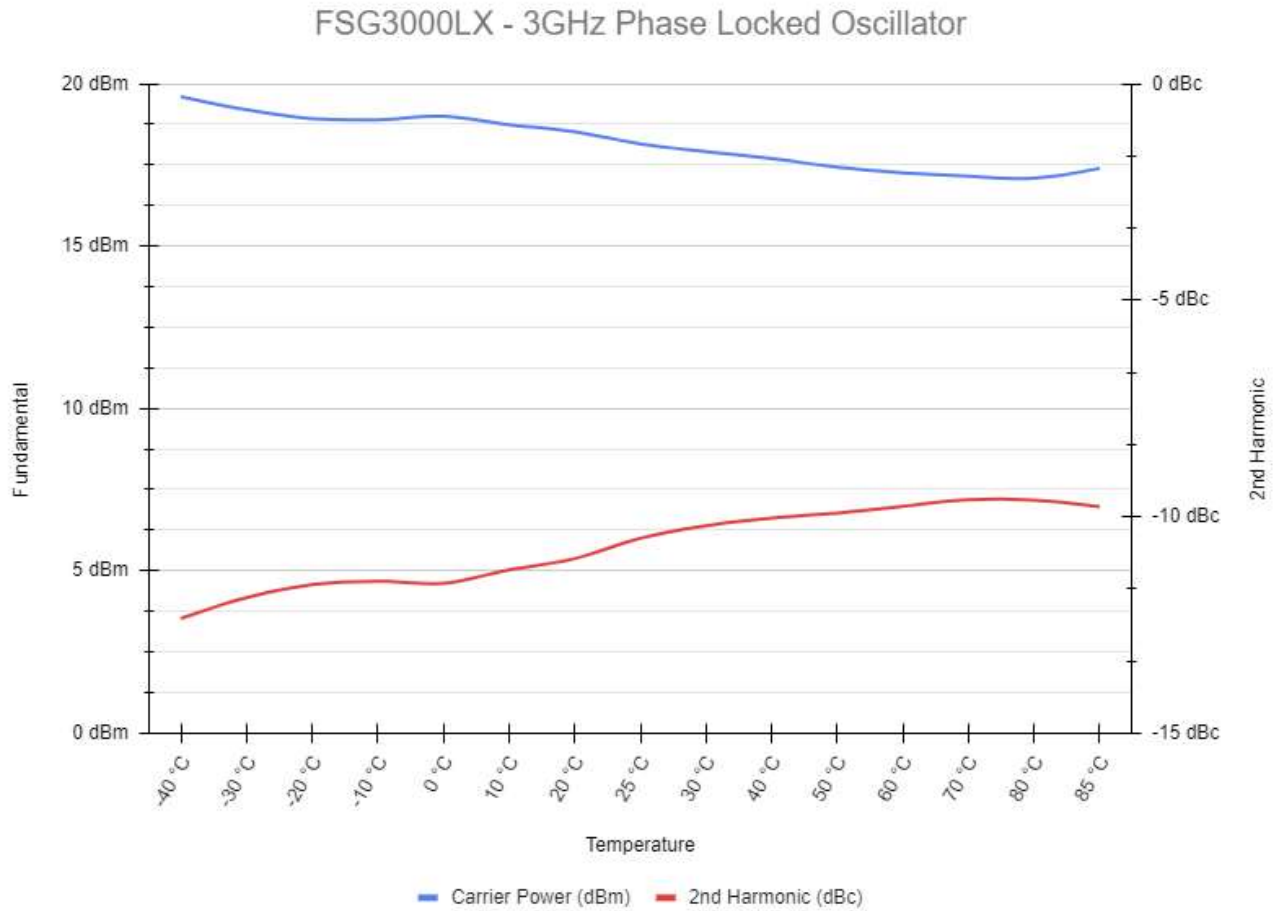


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