**Model PLXO Features**

- Fixed frequency: 10 – 1400 MHz
- Very low phase noise
- Spurious: -80 dBc
- Harmonics: -30 dBc
- Internal TCXO (0.5± PPM) or phase-locked to an external reference
- Low cost

**Block Diagram**

![Block Diagram Image]

**Description**

Multiplied low noise crystal oscillators offer the lowest phase noise frequency sources available. The new series PLXO are multiplied to any desired frequency between 10 and 1400 MHz. These units offer excellent phase noise and harmonic and sub-harmonic performance.

The output frequency from these units can be phase-locked to an input reference frequency or the unit can be configured with an internal TCXO. These units offer many options and can easily be customized to a specific requirement.

The PLXO is a rugged and economical solution for many demanding communication and instrumentation applications.

**PLXO Key Specifications**

- **Output Frequency:** 10 – 1400 MHz
- **Stability and Accuracy:** Same as input or ±0.5 PPM
- **Phase Noise:** As shown in plot
- **Spurious (typ.):** -80 dBc
- **Harmonics (typ.):** -30 dBc
- **Output Power (min.):** +13 dBm
- **Alarm (LD):** Open Collector or TTL
- **Input Reference Freq.:** 5 MHz, 10 MHz or Custom
- **Power Requirements:** +5.0 Vdc @ 350 mA
- **Temperature Range:** -10°C to +70°C
- **Size:** 2.25” x 2.25” x 1.17”