

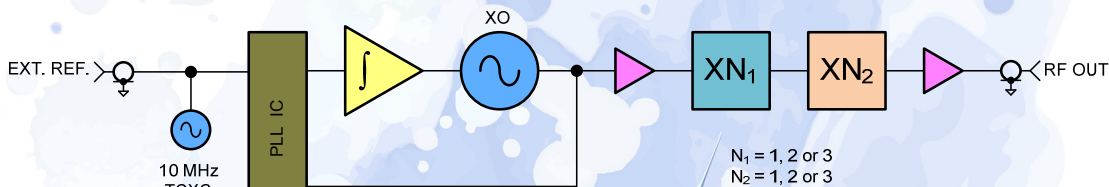
PHASE-LOCKED CRYSTAL OSCILLATORS

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



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.

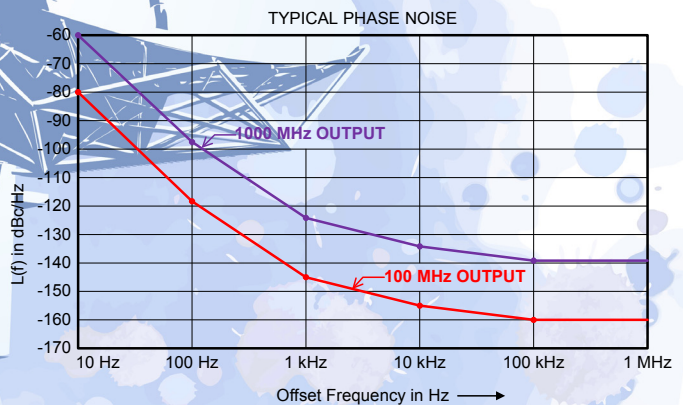
The output frequency from these units can be phase-locked to an input reference frequency or the unit can

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"



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