

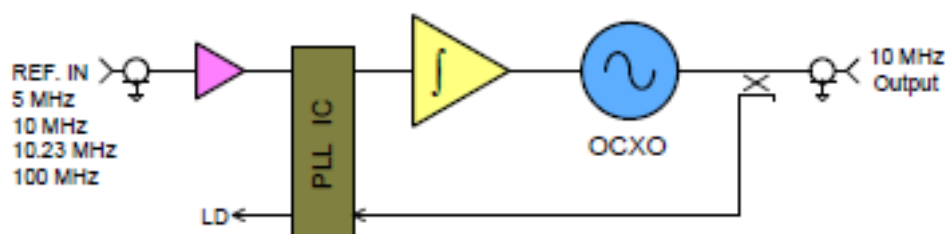
Model PLOC: PLL Frequency Standard Noise Cleanup Oscillator

Features

- Output Frequencies up to 125 MHz
- **Ultra-Low** Phase Noise
- Self-Contained Frequency Standard
- Excellent Spectral Quality
- EMI Enclosure
- +5.0 VDC Operation/Low Power Design



Block Diagram



Description

The PLOC is a miniature assembly designed to phase-lock the internal OCXO to the input reference signal. The internal OCXO has exceptionally good phase noise performance, and when locked to a source with outstanding long-term stability, this module becomes the ideal frequency source for systems which require ultra-low phase noise. When the input is not present, the internal OCXO acts as the stand-alone precision frequency source.

PLOC Key Specifications

Output Frequency:	5 – 125 MHz
Spurious (max.):	-80 dBc
Harmonics (typ.):	-30 dBc
Output Power (min.):	+13 dBm
Output Power Variation:	±4 dB
External Reference:	5/10/100 MHz
Power Requirements:	+15.0 VDC
Temp. Range:	-5°C to +65°C

TYPICAL PHASE NOISE @ 10 MHz

