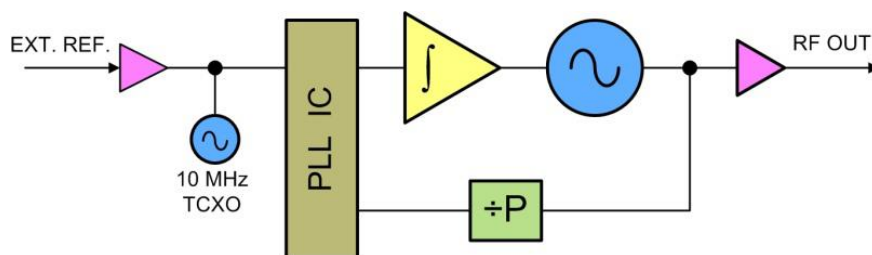


Model PLOD: Digital Phase-Locked Looped Oscillator

Features

- Output Frequencies from 0.1 to 34 GHz
- Input Frequency:
 - Internal TCXO Reference
 - External Reference
- Wide Range of Frequencies
- +5.0 VDC Operation/Low Power Design
- Low Cost X-Band PLL

Block Diagram



Description

Our PLOD line features a single Digital PLL design that locks a Voltage Controlled Oscillator to an external/internal reference. This Digital PLL design enables access to a broader range of frequencies compared to other PLL devices. This model is the lowest cost PLL architecture available.

PLOD Key Specifications

Output Frequency:	0.1 – 34 GHz
Spurious:	-60 dBc
Harmonics (typ.):	-20 dBc
Output Power (min.):	+13 dBm
Output Power Variation:	±3 dB
External Reference:	10 / 20 MHz
Internal Reference:	±0.5 PPM
Alarm:	Open Collector/TTL
Power Requirements:	+5.0 VDC @ 250 mA
Temp. Range:	- 5°C to +65°C

