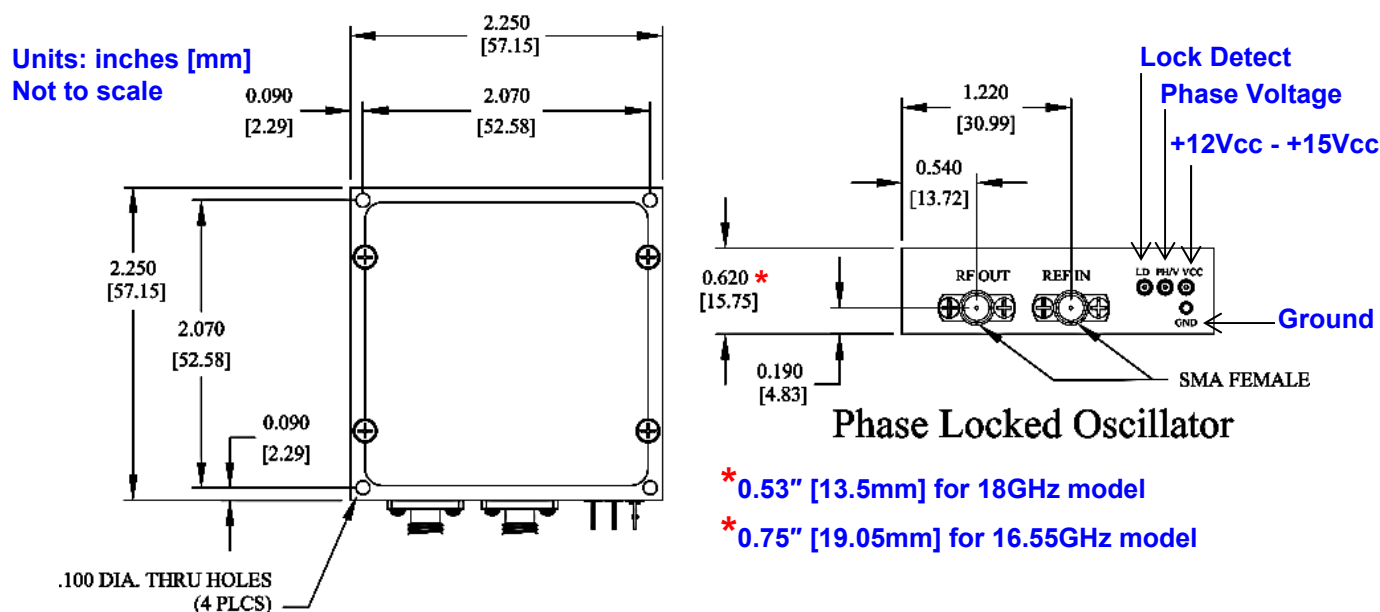


Phase Locked Oscillator, 0.3-24.0 GHz +14dBm min. Output Power, 12-15 Volts, Internal Reference



Order Examples: RPLO-18-14d-15V-IR-s12

Description: (Phase Locked Oscillator, 18GHz, +14dBm Output Power, 15Volts, Internal Reference)

Specifications		Comment
Frequency Range	0.3 to 24 GHz	
Power Output	+14 dBm or +20dBm	
Load VSWR	2.0:1	
Spurious	-80 dBc	
Harmonics	-25 dBc	
Alarm	High Z	
Phase Noise	20 Log N + 3 (N=Output Frequency/Reference Frequency)	
10 KHz Offset	-120 dBc/Hz	
100 KHz Offset	140 dBc/Hz	
1 MHz Offset		
Reference Input Frequency	100MHz (typical)	
Reference Input Power	N/A	
Frequency Stability	±1ppm	
Aging 10 years	±5ppm	
Voltage (Vcc)	+12 - +15	
Current	300 mA	
Connector	SMA-F	
Operating Temperature	-25 to 70 °C	
Storage Temperature	-55 to 125°C	
Size (inches)	2.25 x 2.25 x 0.62 inches	Some models 0.75 inches

Phase Locked Oscillator, 0.3-24.0 GHz +14dBm min. Output Power, 12-15 Volts, Internal Reference

Specifications	
Frequency	19.575 GHz or 18.565 GHz
Spurious	-70 dBc
Connector	SMA Female
Ref	Internal
Ø Noise	Ref. Noise + 20 log(n)+3dB
Harmonics	-20 dBc max
Temp	-25°C to +70°C
Alarm	TTL
Freq. Stability	+/- 3 ppm over temp after warm up
Pout	+13 dBm (typical)
Pwr Supply	+12 to +15 VDC
Test point feed-thrus	Phase voltage,,TTL alarm, Hi Lock

Typical Phase noise plot

