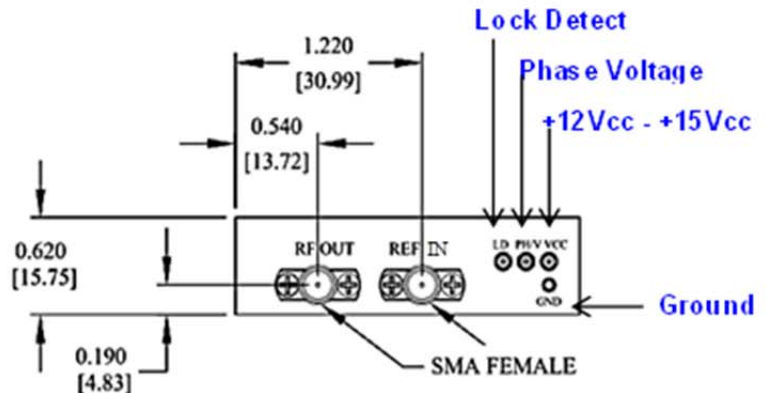
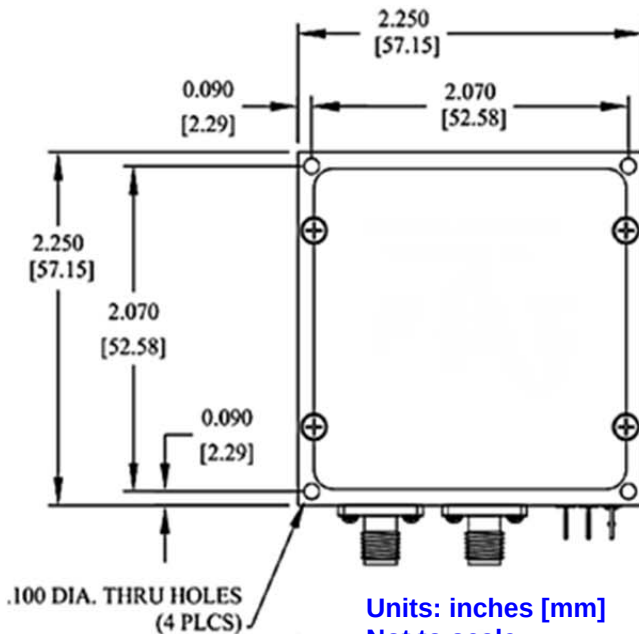


Phase Locked Oscillator, 0.3-24.0 GHz, 38.250 GHz +11 to +14dBm min. Output Power, 12-15 Volts External Reference 100 MHz or 125 MHz



Features

- Small Size
- Excellent Phase Noise
- Low Cost
- Crystal Frequency Stability
- Phase Locked Resonator Oscillator
- SMT Fabrication
- Low Phase Noise
- Packaged Active Devices

Order Examples: RPLO-18-14d-15V-ER100M-s12

Description: (Phase Locked Oscillator, 18GHz, +14dBm Output Power, 15Volts, External Reference 100MHz)

Specifications			
Frequency Range	0.3 to 24.0 GHz	8.15 GHz	38.250
Power Output	+14 dBm	+13 dBm	+11dBm min
Load VSWR	2.0:1	2.0:1	2.0:1
Spurious	-80 dBc	-80 dBc	-60 dBc
Harmonics	-25 dBc	-25 dBc	-25 dBc
Alarm	High Z	High Z	High Z
Phase Noise 10 KHz Offset 100 KHz Offset 1 MHz Offset	20 Log N + 3 (N=Output Frequency/Reference Frequency) -120 dBc/Hz 140 dBc/Hz	20 Log N + 3 (N=Output Frequency/Reference Frequency) -120 dBc/Hz 140 dBc/Hz	20 Log N + 3 (N=Output Frequency/Reference Frequency) -120 dBc/Hz 140 dBc/Hz
Reference Input Frequency	100 MHz	10 MHz	125 MHz
Reference Input Power	0±3 dBm	0±3 dBm	0±3 dBm
Frequency Stability	Same as Ext Ref	Same as Ext Ref	Same as Ext Ref
Voltage	12V or 15 V	10 V	12V or 15 V
Current	250 mA	250 mA	250 mA
Connector	SMA-Female	SMA-Female	K Female
Operating Temperature	-25 to 70°C	-40 to 70°C	-25 to 70°C
Storage Temperature	-55 to 125°C	-55 to 125°C	-55 to 125°C
Size (inches)	2.25 x 2.25 x 0.62 inches	2.25 x 2.25 x 0.62 inches	2.25 x 2.25 x 0.62 inches
Finish	Nickel Plated	Nickel Plated	Nickel Plated

RPLO-0.30-38.25-14d-12-15V-ER-Family-s12

Specifications may be subject to change

04/25/18

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com

Phase Locked Oscillator, 0.3-24.0 GHz, 38.250 GHz
+11 to +14dBm min. Output Power, 12-15 Volts
External Reference 100 MHz or 125 MHz

Specifications			
Frequency Range	13 GHz		
Power Output	+14 dBm		
Load VSWR	2.0:1		
Spurious	-80 dBc		
Harmonics	-25 dBc		
Alarm	High Z		
Phase Noise			
10Hz	-76		
100Hz	-90		
1KHz	-105		
10KHz	-120		
100KHz	-125		
1MHz	-130		
Over 1MHz	Better than -130		
Reference Input Frequency	10 MHz		
Reference Input Power	0±3 dBm		
Frequency Stability	Same as Ext Ref		
Voltage	12V or 15 V		
Current	250 mA		
Connector	SMA-Female		
Operating Temperature	-25 to 70°C		
Storage Temperature	-55 to 125°C		
Size (inches)	2.25 x 2.25 x 0.62 inches		
Finish	Nickel Plated		

Phase Locked Oscillator, 0.3-24.0 GHz, 38.250 GHz
+11 to +14dBm min. Output Power, 12-15 Volts
External Reference 100 MHz or 125 MHz

Typical Phase noise plot:

