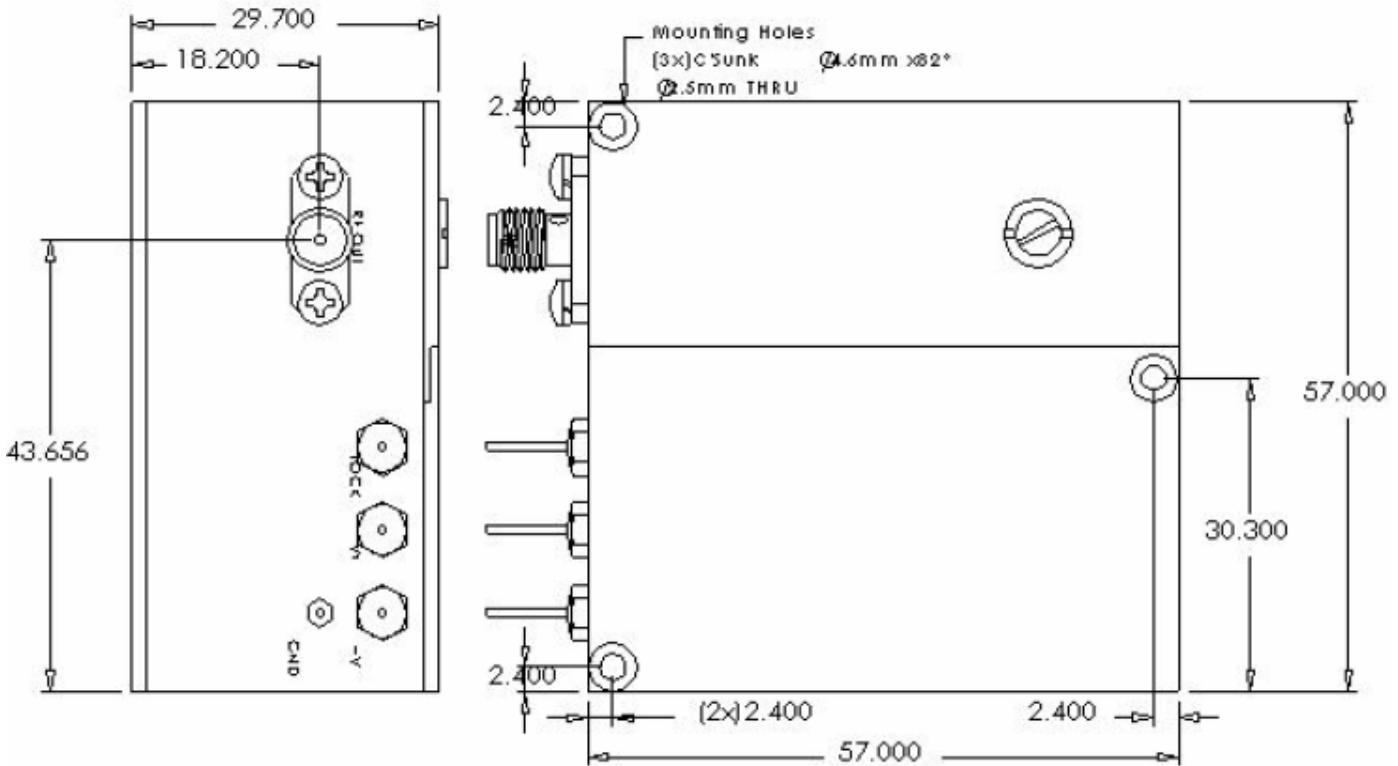


RADITEK Phase Locked Oscillators 6.0-18.0 GHz, IR5ppm code-h1

RADITEK Phase Locked Oscillators (PLO's) use dielectric resonators for improved stability and phase noise. The oscillator is phase locked to a crystal oscillator reference (external or internal).

Internal Reference PLO 6 to 18GHz



PART#: RPLO-H-FREQ-POWER (VCC)-IR5ppm

Example: RPLO-H-6.0-11d-(12-15V)-IR5ppm

Specifications		Units
Frequency	6.0-18.0	GHz
Reference	Internal	
Frequency Stability	±5	ppm
Harmonics	See Chart	dBc
Spurious	See Chart	dBc
Phase Noise	See Chart	
Supply Voltage	12-15	Vdc
Voltage Regulation	±0.5	Vdc
Supply Current	250	mA
Operating Temp.	-30 to +70	°C
Storage Temp.	-45 to +85	°C
Lock Alarm	TTL O/C	

Connectors	
RF Output	SMA(F)
Locked Alarm	Feedthru
Supply Voltage	Feedthru
Ground	Solder Lug

Specifications		Units
RF Power	+11	dBm
Variation over Temperature	+1	dBm
Output Impedance	50	Ohm
Load VSWR	1.5	:1
Harmonics	-30	dBc
Spurious	-80	dBc
Phase Noise		
@ 10 kHz	105	dBc/Hz