

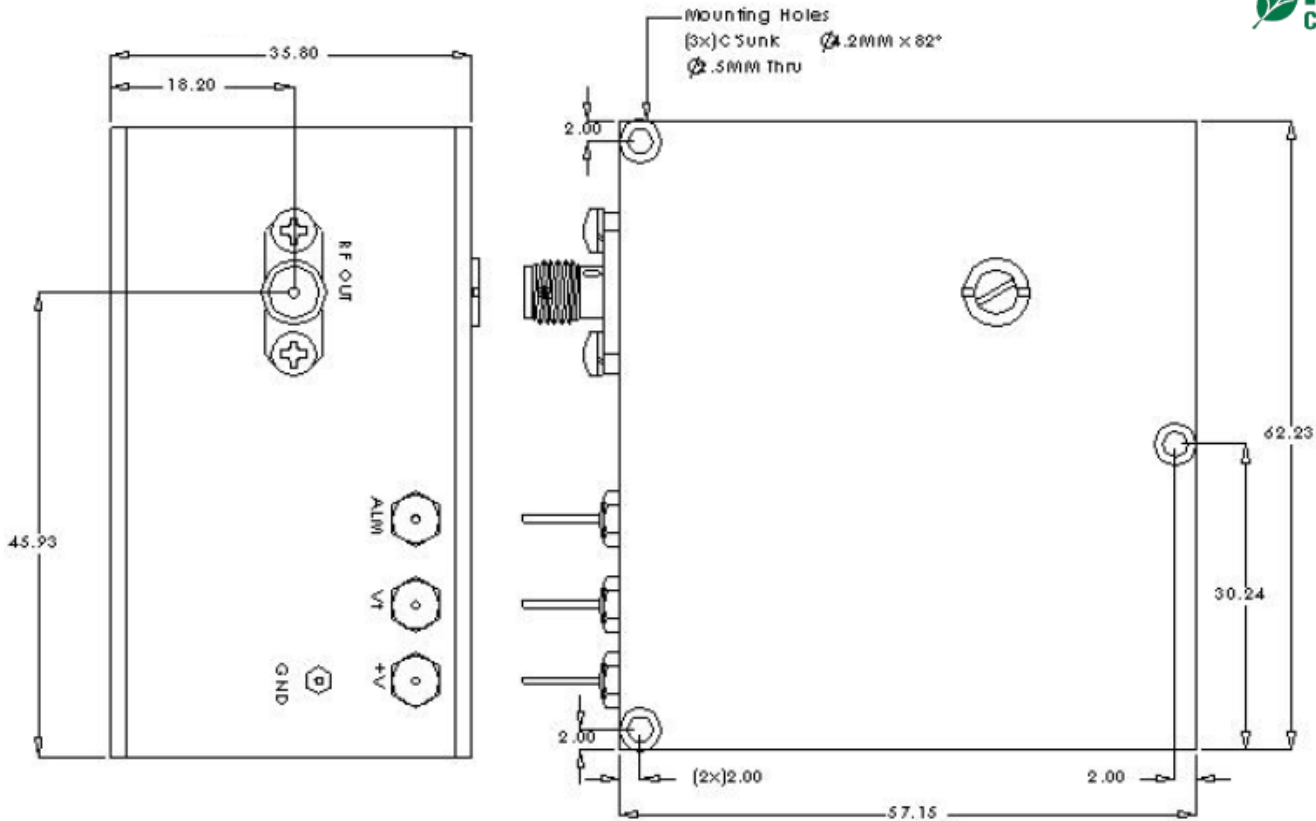
RADITEK Phase Locked Oscillators 4.0-6.0 GHz, IR5ppm

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 4 to 6GHz



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

Example: RPLO-H-4.0-11d-(12-15V)-IR5ppm

Connectors

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

Specifications	Units	
Frequency	4.0-6.0	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	$^\circ\text{C}$
Storage Temp.	-45 to +85	$^\circ\text{C}$
Lock Alarm	TTL O/C	

Specifications	Units	
RF Power	+11	dBm
Variation over Temperature	+1	dBm
Output Impedance	50	Ohm
Load VSWR	1.5	:1
Harmonics	-25	dBc
Spurious	-80	dBc
Phase Noise		
@ 10 kHz	-110	dBc/Hz

RPLO-H-4.0-6.0G-IR5ppm-h1

Specifications may be subject to change

02/03/11

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