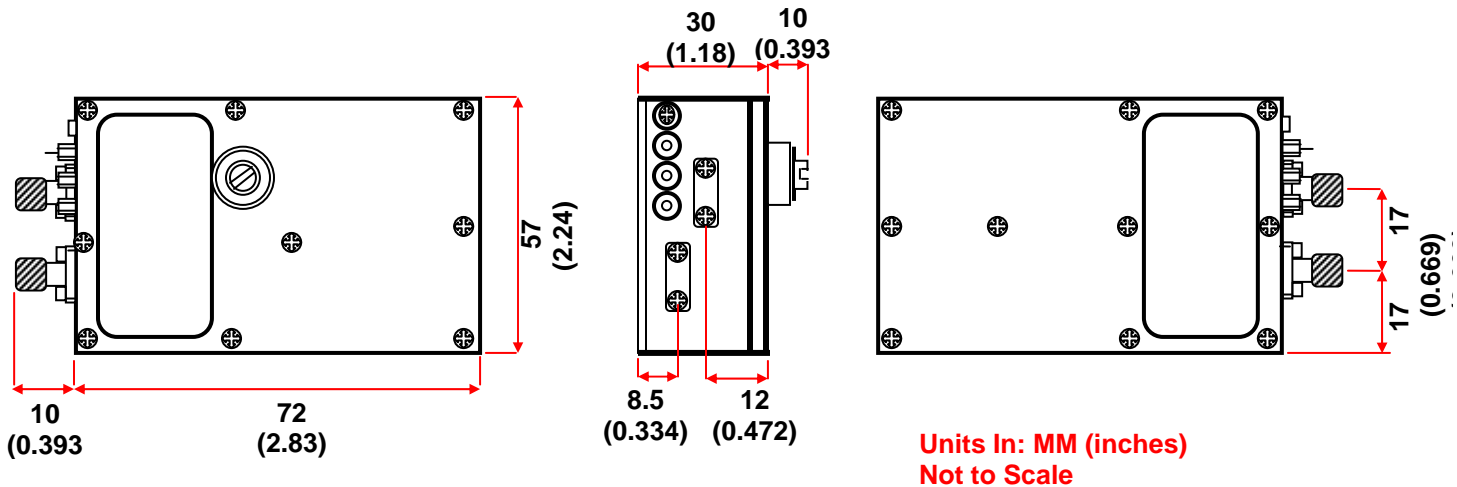


Phase Lock Oscillator, 5.0-13.0GHz  
 10dBm Output Power, 8 Volt, External Reference 10MHz

**RPLO-C-5.0-13.0-10d-8v-ER10M**



- VERY LOW PHASE NOISE
- LOW HARMONICS & SPURIOUS
- COMPACT SIZE

**PART#: RPLO-C-FREQ-POWER-VCC-ER10M**

**Example:** RPLO-C-5.0-10d-8v-ER10M

Specifications		Units
Operating Frequency Range	5-13	GHz
Output Power	+10	dBm
External Reference Frequency	10 (optionally 10-100MHz)	MHz
External Reference Level	0 to +10 or TTL	dBm
Harmonics	<-30 Typ <-25 Max	DBc
Spurious	<-70 Typ <-65 Max	dBc
Phase Noise @ 13.05GHz, 10M Ref		
1kHz	<-95	dBc/Hz
10kHz	<-102	dBc/Hz z
100kHz	<-108	dBc/Hz
1MHz	<-130	dBc/Hz
DC Supply	+8	Volts
@ 8.0 V	380	mA
Operating Temperature Range	-30 to +70	°C

Phase Lock Oscillator, 5.0-13.0GHz  
 10dBm Output Power, 8 Volt, External Reference 10MHz  
**RPLO-C-5.0-13.0-10d-8v-ER10M**

Specifications			Units	
Frequency range	5562.5		MHz	
Output Power	+10		dBm min.	
	+13		dBm max.	
Harmonics	30		dBc max.	
Spurious	-70		dBc Typ.	
	-65		dBc max.	
Phase Noise	Typical.	Max.		
	1 kHz	-103	-98	dBc/Hz
	10 kHz	-110	-105	dBc/Hz
	100 kHz	-116	-113	dBc/Hz
	1 MHz	-140	-136	dBc/Hz
	10 MHz	-150	-146	dBc/Hz
Supply Voltage	+15		VDC	
Current	360		mA	
Reference Frequency	10		MHz	
Reference Power	0 dBm +/-2dB			
Connectors				
RF Out	SMA(F)			
Ref In	SMA(F)			
DC	Feedthrough			
Operating Temperature	-20 to +50		°C	
Dimensions	72 x 57 x 30		mm	