

DESCRIPTION

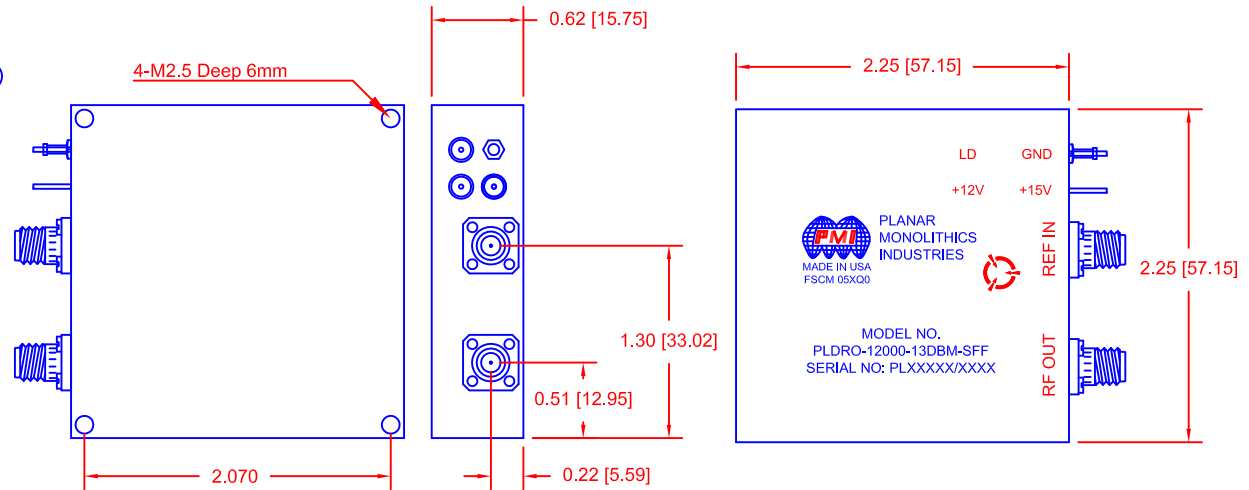
PMI MODEL PLDRO-12000-13DBM-SFF IS A PHASE LOCKED MICROWAVE OSCILLATOR THAT PROVIDES A 13 dBm MINIMUM OUTPUT AT 12000 MHZ.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/10/21	

MECHANICAL OUTLINE

SPECIFICATIONS

- OUTPUT FREQUENCY (fo): 12000 MHz
- EXTERNAL REFERENCE: 100 MHz
- REFERENCE INPUT POWER: 0 ± 3 dBm
- OUTPUT POWER: 13 dBm MIN
- SPURIOUS: ≤ -60 dBc MAX(FO +/-100KHz)
 ≤ -75 dBc MAX(FO>100KHz)
- HARMONICS: -20 dBc MAX
- LOAD VSWR: 1:1.5
- PHASE NOISE (SSB): -130 dBc/Hz MAX at 1 MHz
- DC POWER: +12V, 300 mA MAX
- LOCK DETECT: TTL HIGH IN LOCK
- SIZE: 2.25" X 2.25" X 0.62"
- RF CONNECTORS: SMA (F)
- POWER AND PHASE LOCK CONNECTORS: SOLDER PINS
- FINISH: PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +70 °C (OPERATING)
-55 °C TO +125 °C (STORAGE)

ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>AF</i>		12/10/21	PRODUCT FEATURE PLDRO-12000-13DBM-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S		SHEET 1 OF 1