

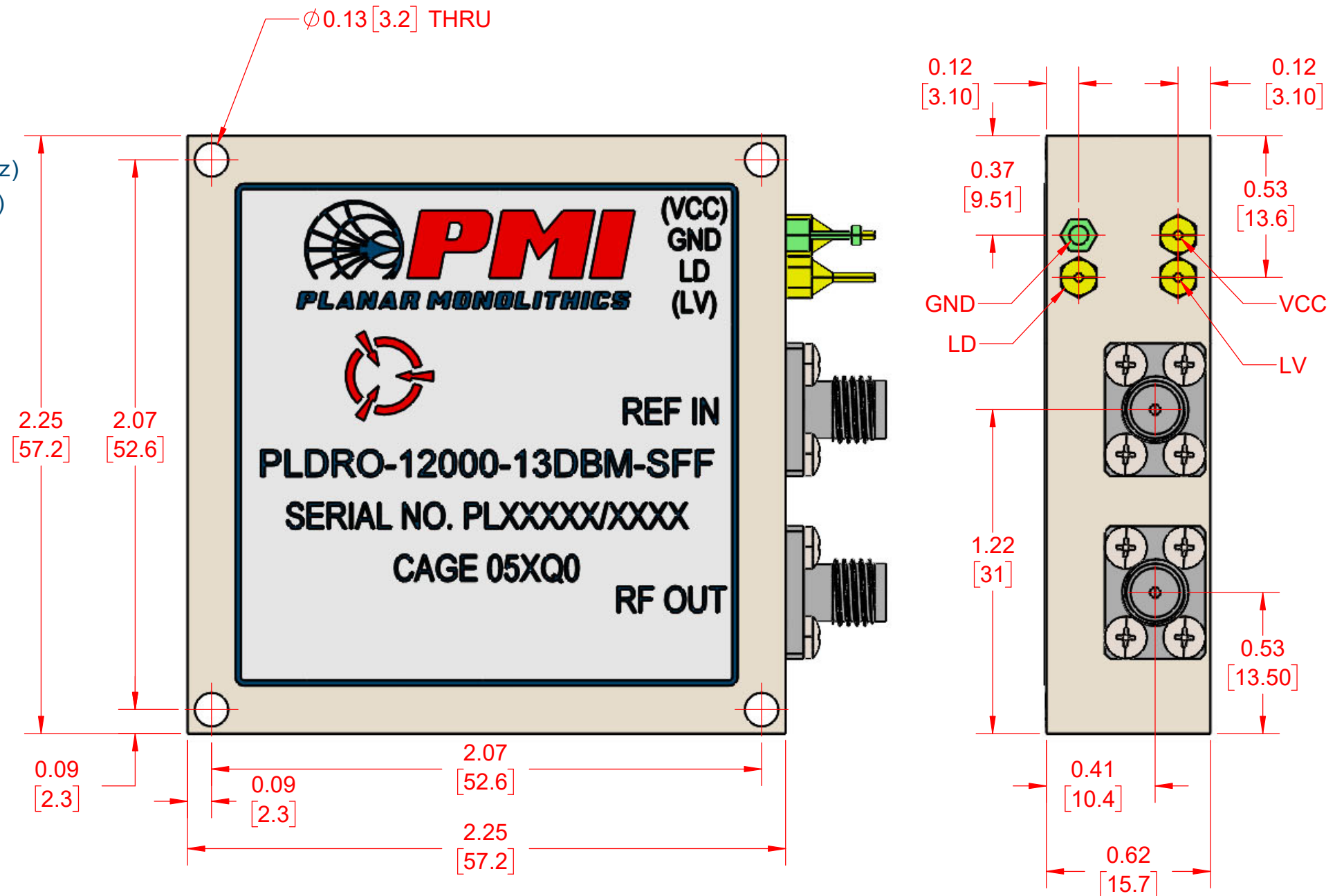
DESCRIPTION:

QUANTIC PMI MODEL PLDRO-12000-13DBM-SFF IS A PHASE LOCKED MICROWAVE OSCILATOR THAT PROVIDES A 13 dBm MINIMUM OUTPUT AT 12000 MHz

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/12/2025	
	A2	ECN # 26-0020	2/10/2026	

SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 12000 MHz
- REFERENCE FREQUENCY:..... 100 MHz (SINE WAVE)
- INPUT LEVEL:..... -3 TO +3 dBm
- OUTPUT LEVEL:..... +13 dBm MIN
- SPURIOUS:..... -60 dBc MAX (FO +/- 100kHz)
-75 dBc MAX (FO > 100kHz)
- HARMONICS:..... -20 dBc MAX
- LOAD VSWR:..... 1:1.5 MAX
- PHASE NOISE:..... ≤-111 dBc/Hz @ 1 kHz
≤-117 dBc/Hz @ 10 kHz
≤-117 dBc/Hz @ 100 kHz
≤-130 dBc/Hz @ 1 MHz
- FREQUENCY STABILITY:..... SAME AS REFERENCE
- SUPPLY VOLTAGE:..... +12 V @ 300 mA MAX
- LOCK DETECTOR:..... TTL HIGH = LOCK
- CONNECTORS(IN/OUT):..... SMA (F)
- FINISH:..... NICKEL PLATED




ENVIRONMENTAL RATINGS:

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

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS	DATE	 PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
		DRAWN M LAULIS REDRAWN	5/12/2025		
ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27043460	REV. A2
		SCALE 2:1			SHEET 1 OF 1