

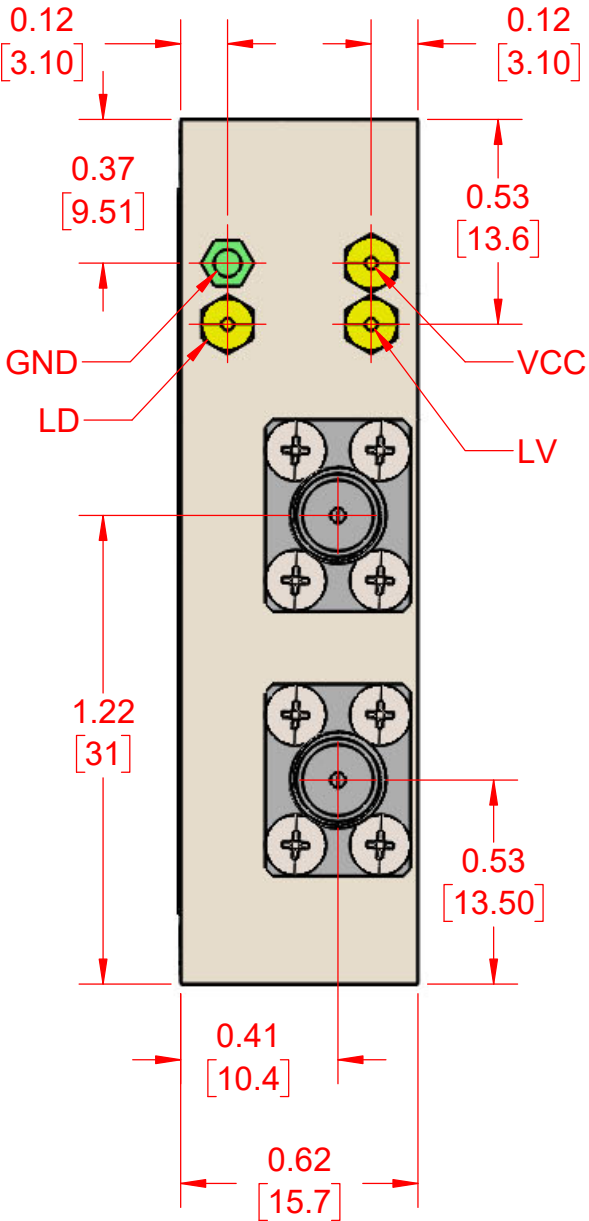
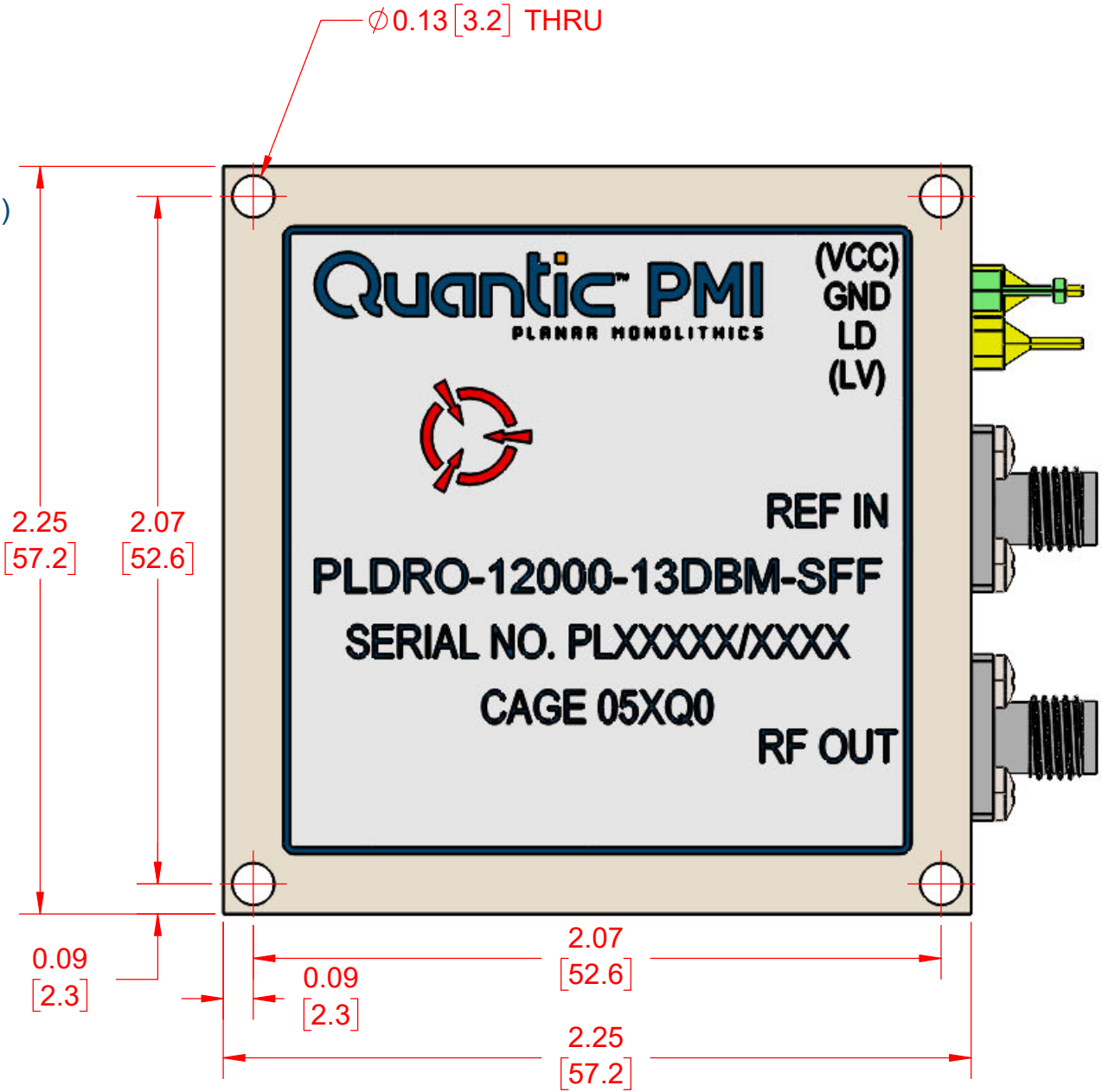
DESCRIPTION:

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	

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:..... 1.5:1 MAX
- REF PHASE NOISE:..... -130 dBc/Hz MAX @ 100 Hz
-155 dBc/Hz MAX @ 1 kHz
- RF PHASE NOISE:..... -130 dBc/Hz MAX @ 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)

PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS		DATE		Quantic PMI 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		5/12/2025			
		REDRAWN						TITLE	
		ISSUED						OUTLINE	
								PLDRO-12000-13DBM-SFF	
								SIZE	
								B	
								FSCM NO.	
								05XQ0	
								DWG NO.	
								27043460	
								REV.	
								A1	
								SCALE 2:1	
								SHEET 1 OF 1	