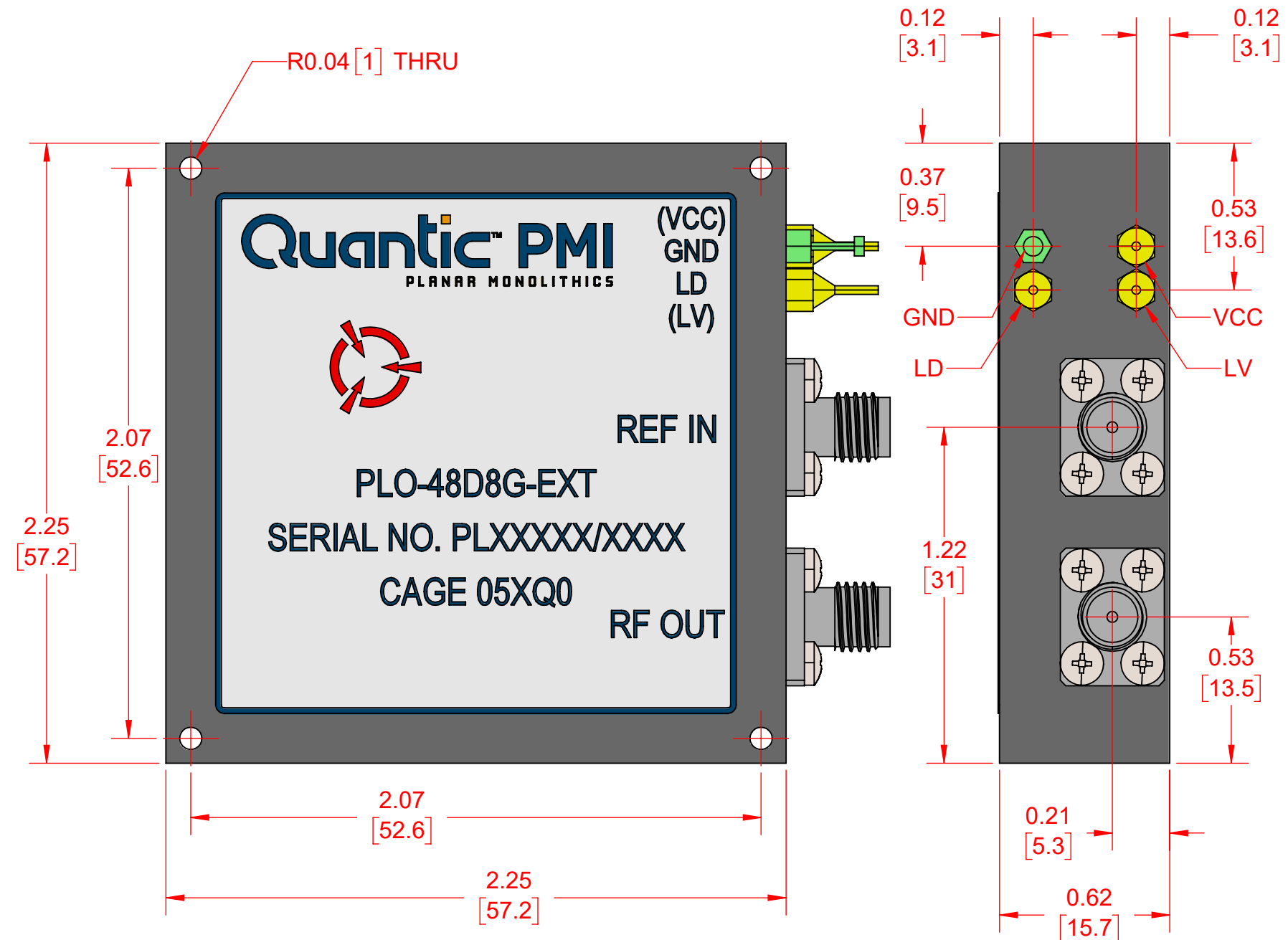


QUANTIC PMI MODEL PLO-48D8G-EXT IS AN EXTERNALLY REFERENCED PHASE LOCKED DIELECTRIC RESONATOR OSCILLATOR(PLDRO) WITH AN OUTPUT FREQUENCY OF 48.8 GHz.

SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 48.8 GHz
- REFERENCE FREQUENCY:..... 100 MHz (SINE WAVE)
- INPUT LEVEL:..... +3 TO +10 dBm
- OUTPUT LEVEL:..... +10 dBm MIN
- SPURIOUS:..... -60 dBc MAX
- HARMONICS:..... -20 dBc MAX
- LOAD VSWR:..... 1.5:1 MAX
- PHASE NOISE:..... -80 dBc MAX @ 100 Hz
-93 dBc MAX @ 1 kHz
-94 dBc MAX @ 10 kHz
-102 dBc MAX @ 100 kHz
-128 dBc MAX @ 1 MHz
- FREQUENCY STABILITY:..... SAME AS REFERENCE
- SUPPLY VOLTAGE:..... +12 V @ 500 mA TYP
- LOCK DETECTOR:..... TTL HIGH = LOCK
- REFERENCE PHASE NOISE:..... -137 dBc MAX @ 100 Hz
-155 dBc MAX @ 1 kHz
-160 dBc MAX @ 10 kHz
- CONNECTORS (IN/OUT):..... 2.4mm (RF OUT)
SMA FEMALE (REF IN)
- FINISH:..... NICKEL PLATED

- **TEMPERATURE:**..... -40°C TO +70°C (OPERATING)
-50°C TO +80°C (STORAGE)



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			Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 862-9019 FAX: (301) 862-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED			
	APPROVALS		DATE		TITLE OUTLINE PLO-48D8G-EXT	
	DRAWN S LANGE		3/25/2025			
	REDRAWN				SIZE B FSCM NO. DWG NO. 05XQO 27051200 A1	
	ISSUED					
				SCALE 2:1 SHEET 1 OF 1		