

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/13/2025	
	A2	ECN # 26-0020	2/10/2026	

DESCRIPTION:

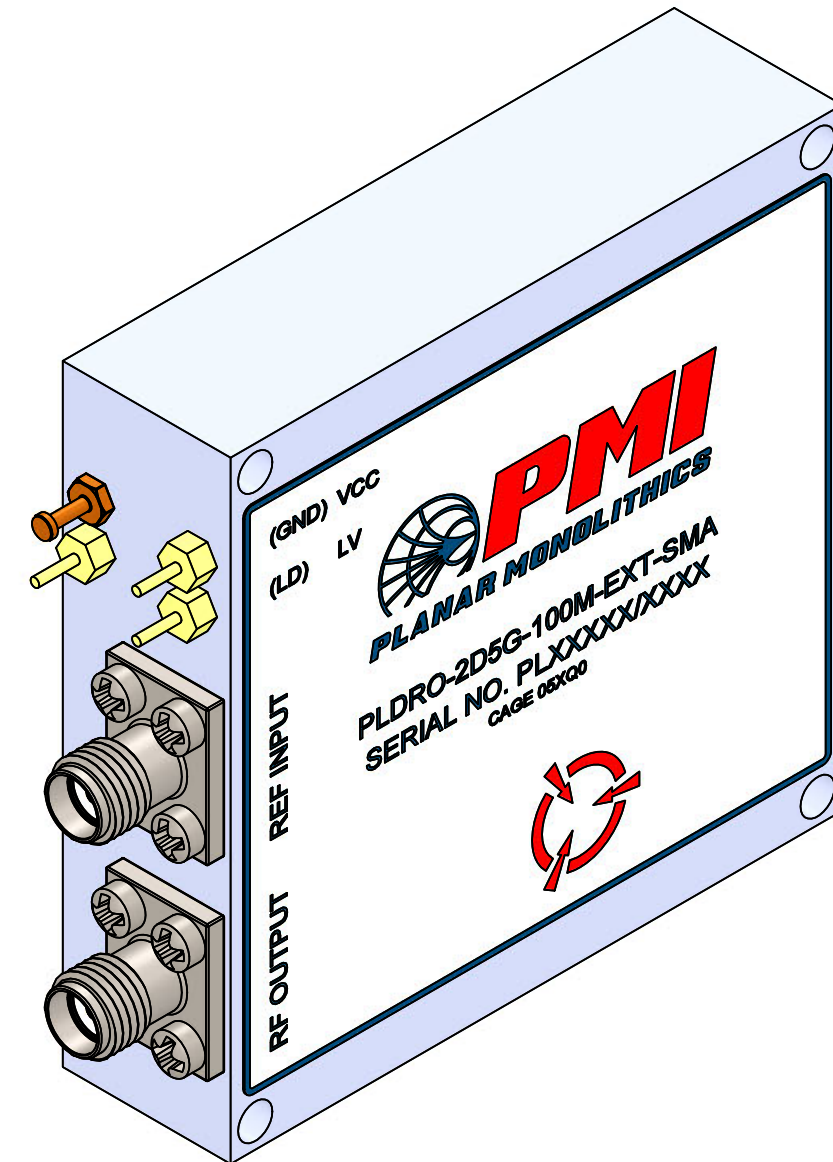
PMI MODEL NUMBER PLDRO-2D5G-100M-EXT-SMA IS A PHASE LOCKED MICROWAVE OSCILLATOR THAT PROVIDES A 13 dBm MINIMUM OUTPUT AT 2500 MHz.

SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 2500 MHz
- REFERENCE FREQUENCY:..... 100 MHz (SINEWAVE)
- INPUT LEVEL:..... +3 TO +13 dBm
- OUTPUT LEVEL:..... + 13 dBm MIN.
- SPURIOUS:..... -70 dBc MAX
- HARMONICS:..... -20 dBc MAX
- LOAD VSWR:..... 1:1.5 MAX
- PHASE NOISE:..... -120 dBc/Hz MAX @ 1 kHz
-126 dBc/Hz MAX @ 10 kHz
-126 dBc/Hz MAX @ 100 kHz
-140 dBc/Hz MAX @ 1 MHz
- REFERENCE PHASE NOISE:..... -135 dBc/Hz MAX @ 100 Hz
-155 dBc/Hz MAX @ 1 kHz
-160 dBc/Hz MAX @ 10 kHz
- FREQUENCY STABILITY:..... SAME AS REFERENCE
- SUPPLY VOLTAGE:..... +15V
- CURRENT:..... 300 mA MAX
- LOCK DETECTOR:..... TTL HIGH IN LOCK
- CONNECTOR:..... SMA FEMALE
- FINISH:..... NICKEL PLATED


ENVIRONMENTAL RATINGS:

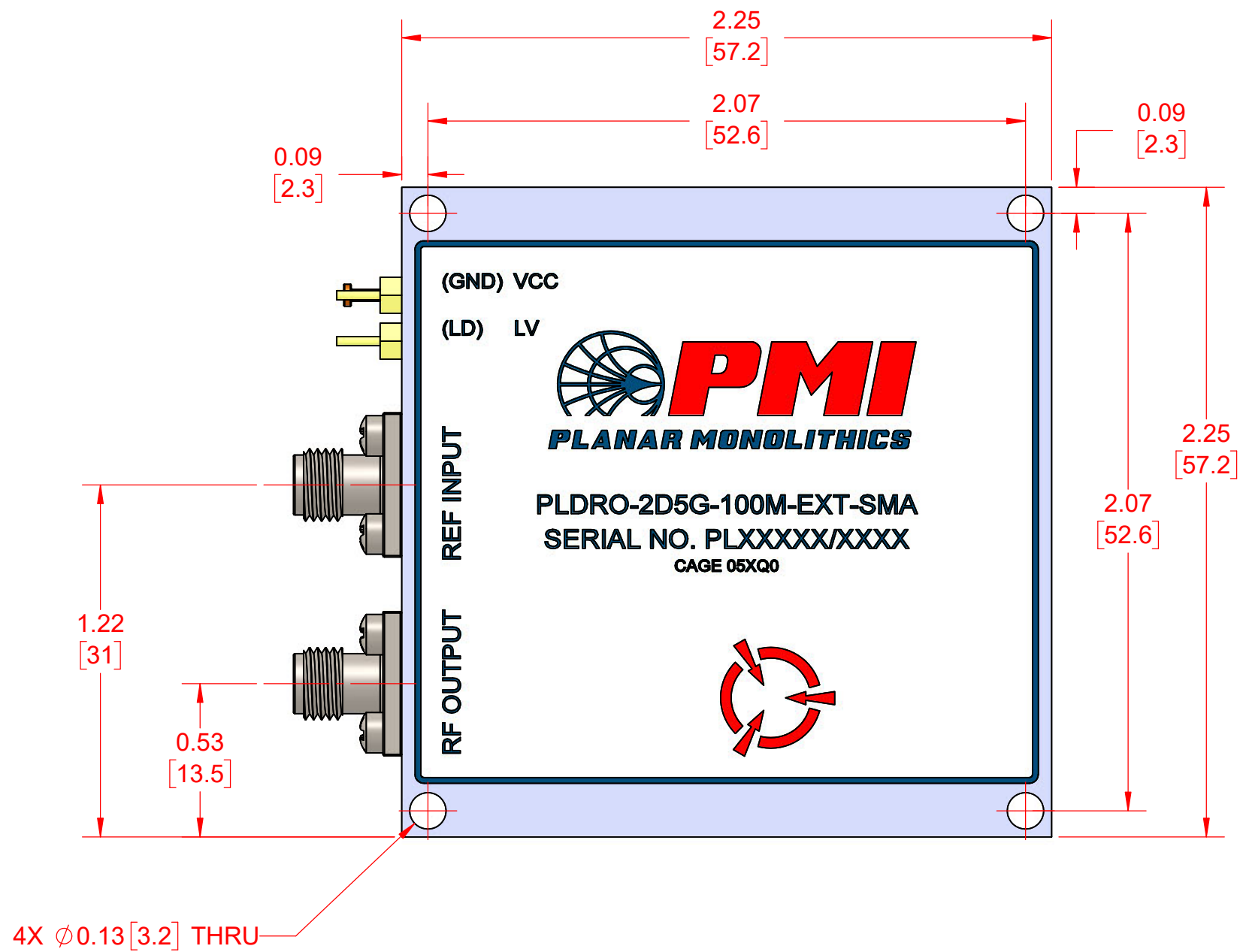
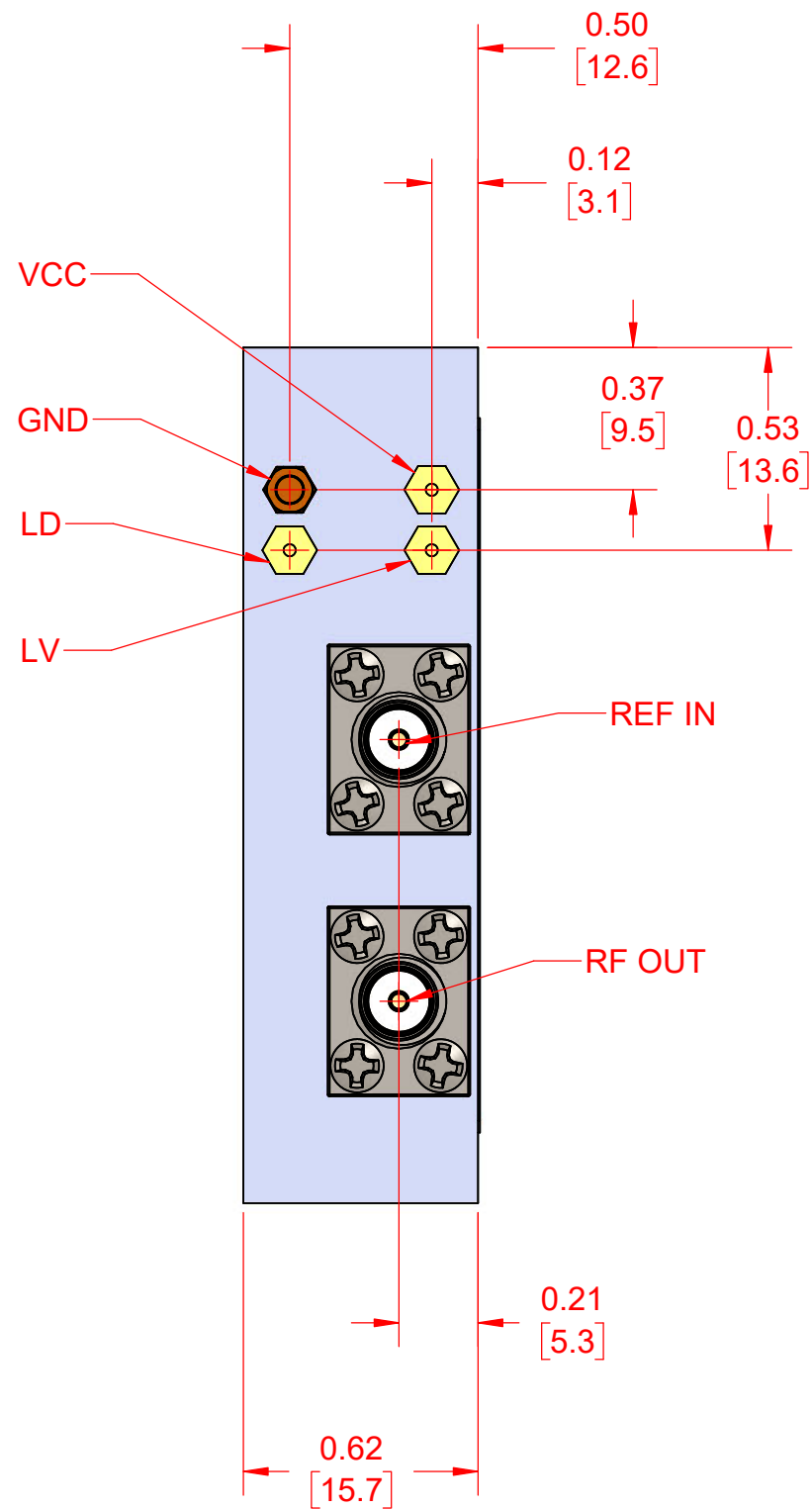
- TEMPERATURE:..... -40°C TO +70°C (OPERATING)
-50°C TO +80°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A



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	 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 VP REDRAWN	5/13/2025			
ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27051780	REV. A2	
SCALE 2:1				SHEET 1 OF 2		



PMI CONFIDENTIAL AND PROPRIETARY



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TITLE				OUTLINE
PLDRO-2D5G-100M-EXT-SMA				REV.
SIZE	FSCM NO.	DWG NO.	A2	
B	05XQ0	27051780		
SCALE 2:1				SHEET 2 OF 2