

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.

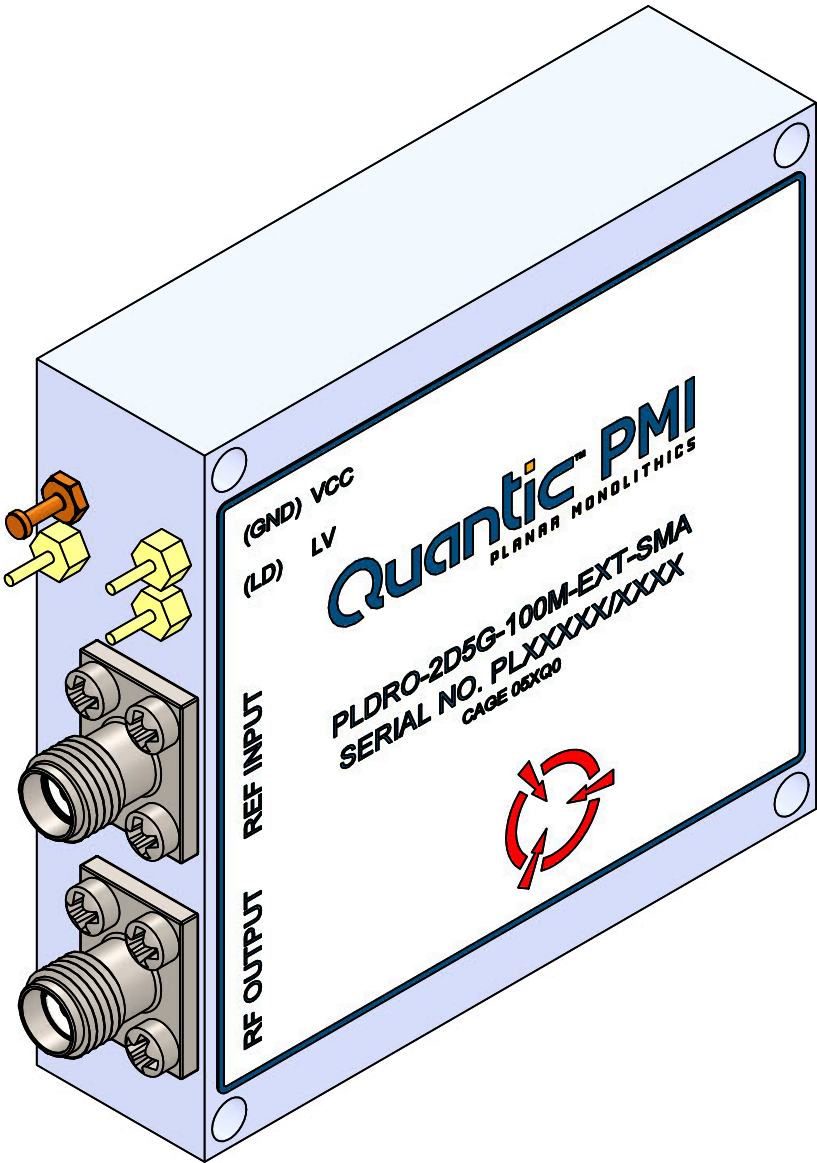
SPECIFICATIONS:

- 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:..... -100 dBc/Hz TYP. @ 100Hz
-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

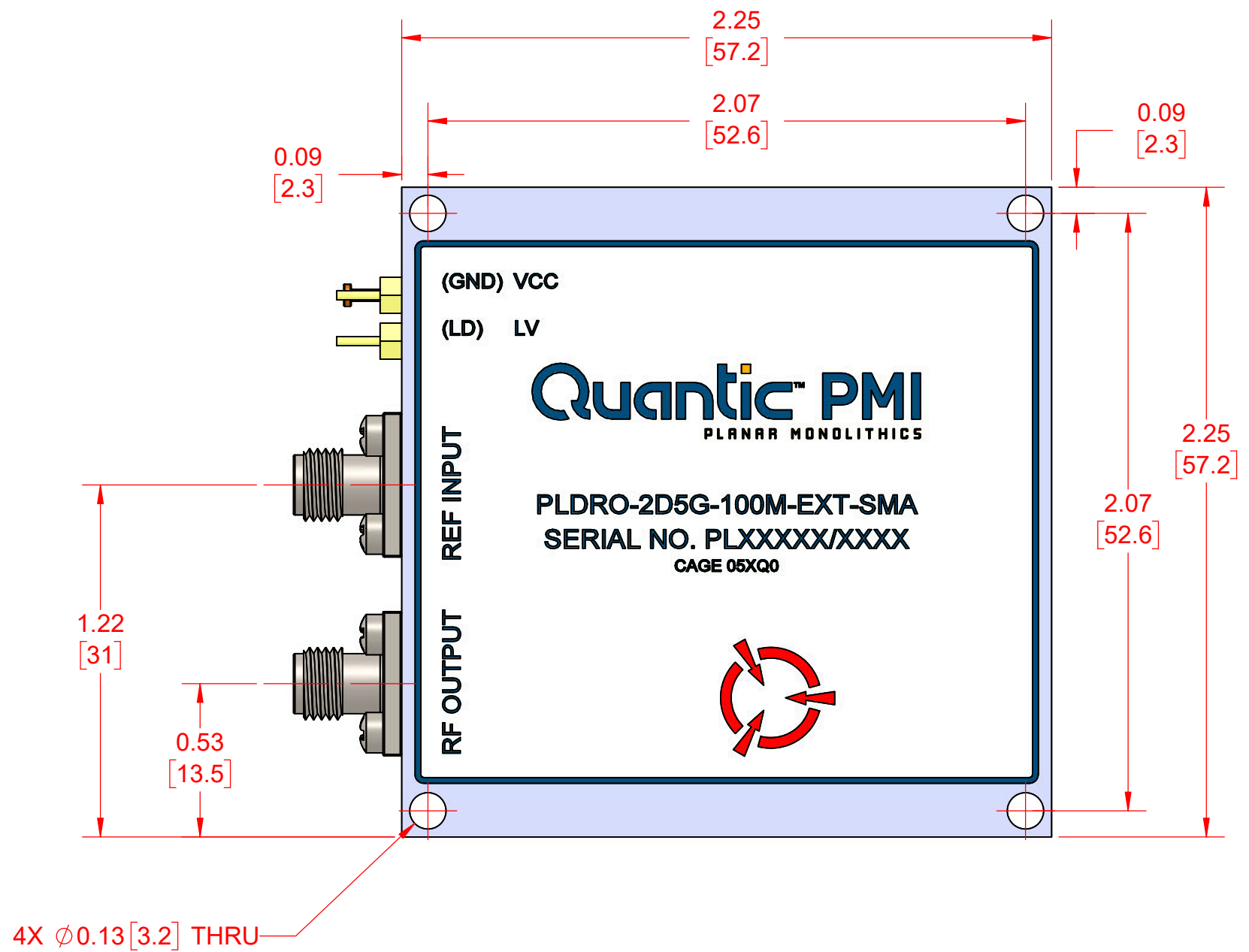
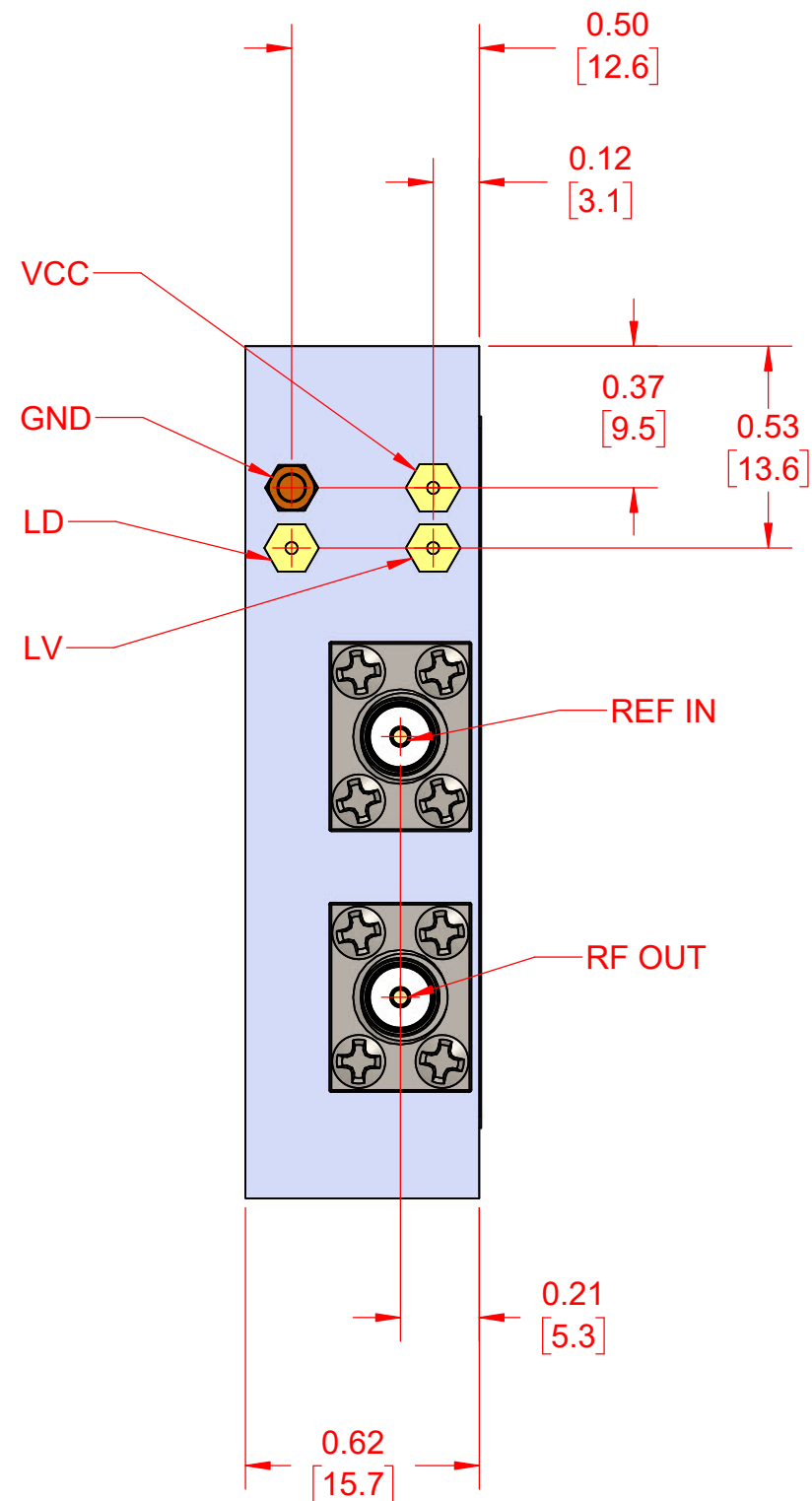
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/13/2025	



PMI CONFIDENTIAL AND PROPRIETARY

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

					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												
			APPROVALS	DATE	TITLE OUTLINE PLDRO-2D5G-100M-EXT-SMA												
			DRAWN VP	5/13/2025													
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: <table><tr><td>FRACTIONS</td><td>DECIMALS</td><td>ANGLES</td></tr><tr><td>±</td><td>.XX ± 0.02</td><td>±</td></tr><tr><td></td><td>.XXX ± 0.01</td><td></td></tr></table>			FRACTIONS	DECIMALS	ANGLES	±	.XX ± 0.02	±		.XXX ± 0.01		REDRAWN		SIZE B			
			FRACTIONS	DECIMALS	ANGLES												
			±	.XX ± 0.02	±												
				.XXX ± 0.01													
ISSUED		FSCM NO. 05XQ0		DWG NO. 27051780		REV. A1											
					SCALE 2:1		SHEET 1 OF 2										



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

PMI CONFIDENTIAL AND PROPRIETARY

Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 ISO 9001 CERTIFIED			
TITLE OUTLINE PLDRO-2D5G-100M-EXT-SMA			
SIZE B	FSCM NO. 05XQ0	DWG NO. 27051780	REV. A1
SCALE 2:1		SHEET 2 OF 2	