

DESCRIPTION:

PMI MODEL NUMBER PLDRO-6500-13DBM-SFF IS A PHASE LOCKED MICROWAVE OSCILLATOR THAT PROVIDES A 13 dBm MINIMUM OUTPUT AT 6500 MHz.

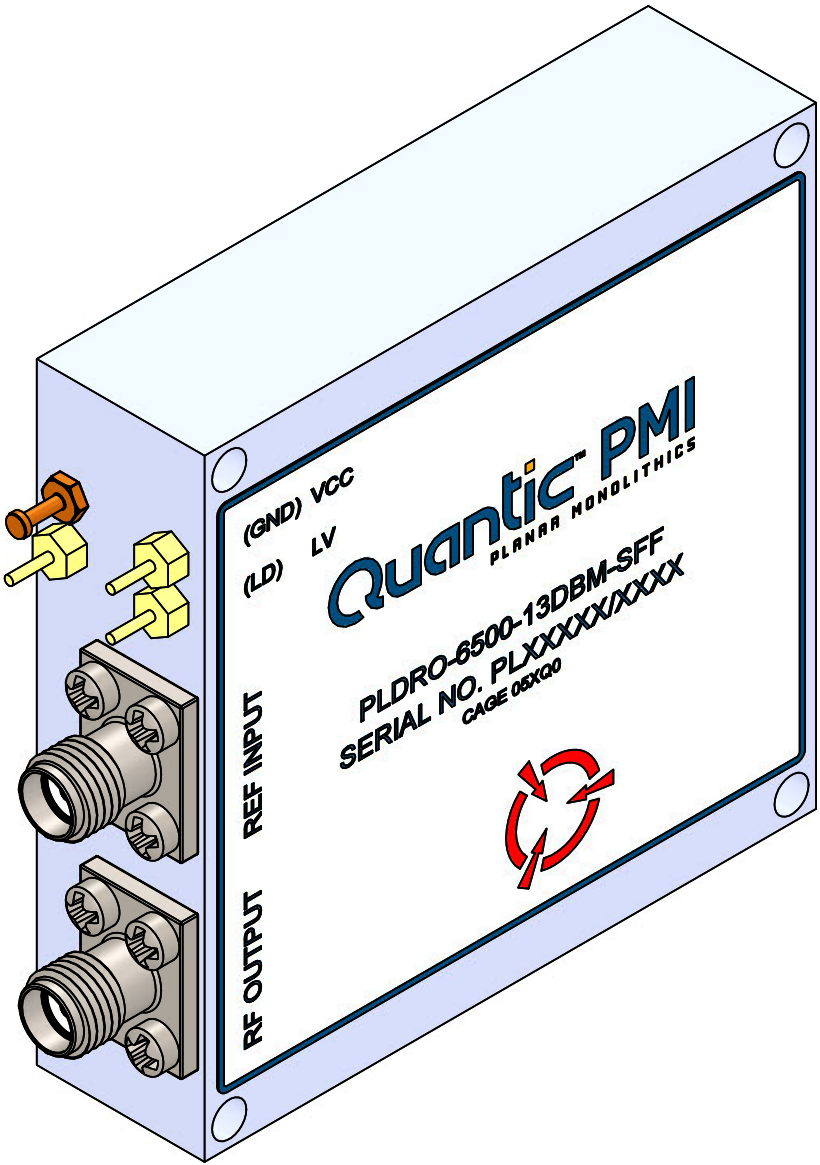
SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 6500 MHz
- REFERENCE FREQUENCY:..... 100 MHz (SENEWAVE)
- INPUT LEVEL:..... 0 dBm ± 3 dBm
- OUTPUT LEVEL:..... + 13 dBm MIN.
- SPURIOUS:..... -75 dBc MAX
- HARMONICS:..... -20 dBc MAX
- LOAD VSWR:..... 1:1.5 MAX
- PHASE NOISE:..... -135 dBc/Hz MAX @ 1 MHz
- REFERENCE PHASE NOISE:..... -130 dBc/Hz MAX @ 100 Hz
- -155 dBc/Hz MAX @ 1 kHz
- -165 dBc/Hz MAX @ 10 kHz
- -165 dBc/Hz MAX @ 100 kHz
- FREQUENCY STABILITY:..... SAME AS REFERENCE
- SUPPLY VOLTAGE:..... +12V
- 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)
- -55°C TO +125°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

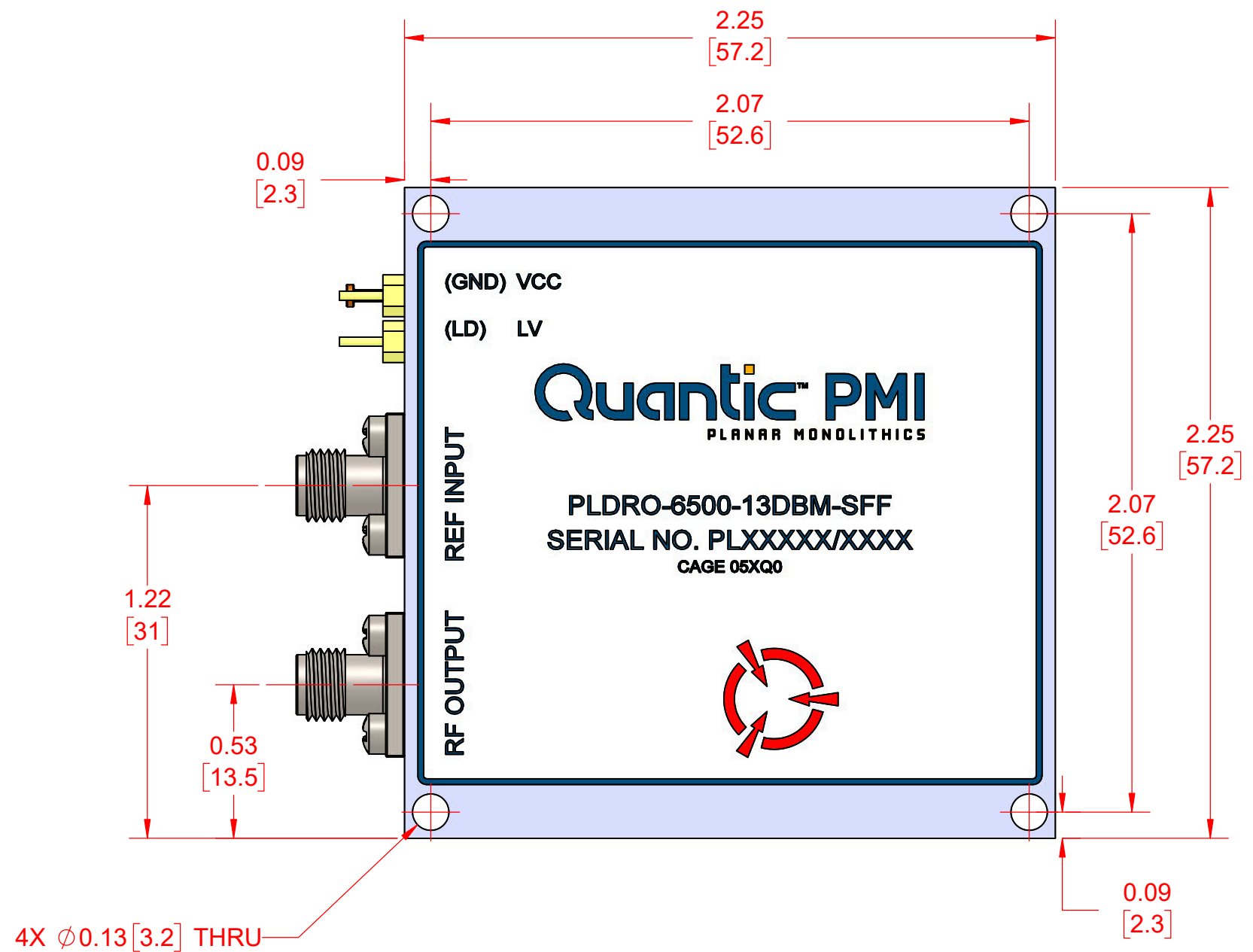
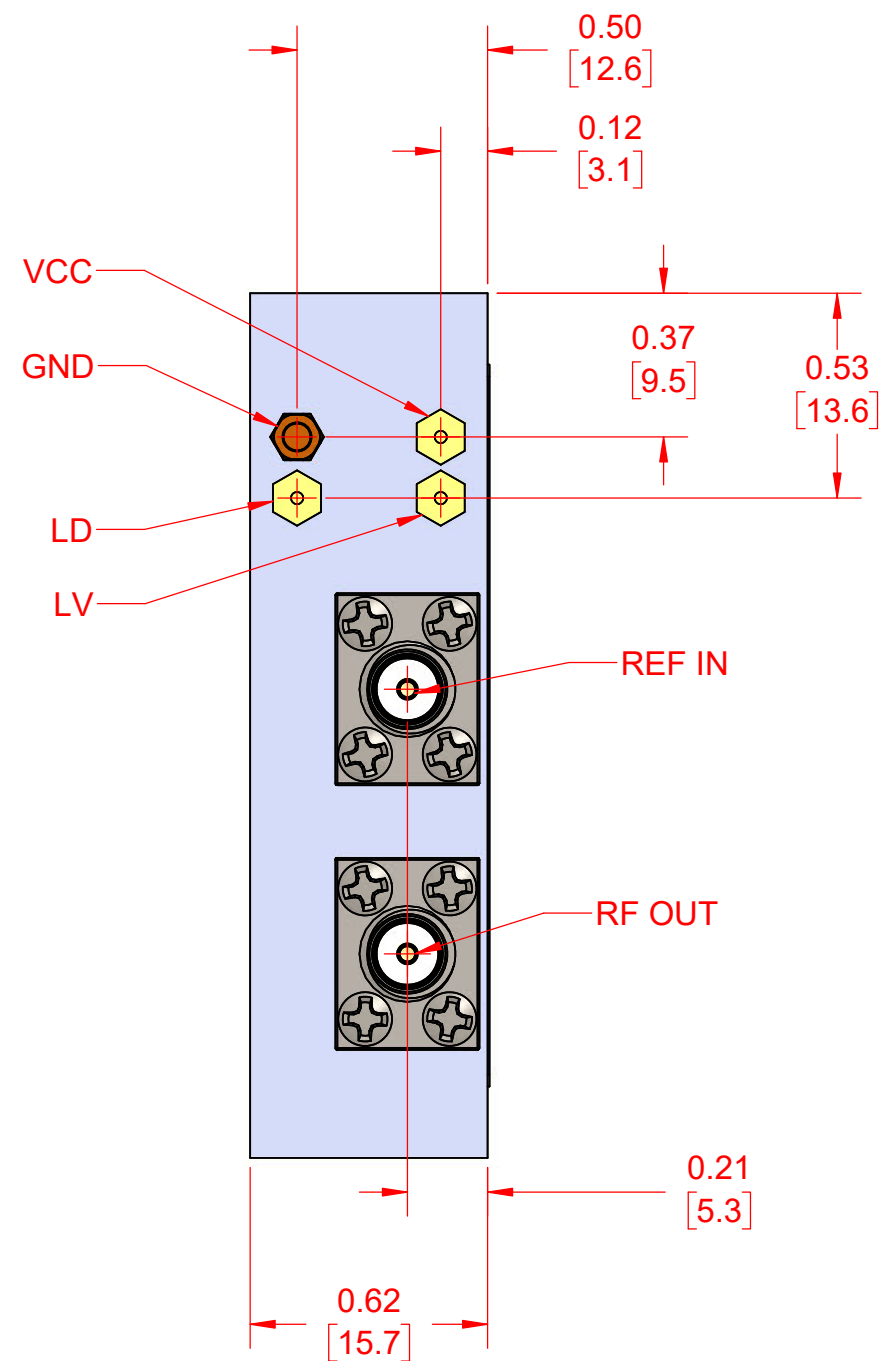
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/13/2025	



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-6500-13DBM-SFF				
			DRAWN VP		5/13/2025						
			REDRAWN				SIZE B				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			ISSUED				FSCM NO. 05XQ0		DWG NO. 27043440		REV. A1
							SCALE 2:1		SHEET 1 OF 2		



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