

DESCRIPTION:

PMI MODEL NUMBER PDRO-17520M-13DBM-SFF IS A PDRO WITH AN OUTPUT FREQUENCY OF 17520 MHz AND A MINIMUM OUTPUT LEVEL OF +13 dBm.

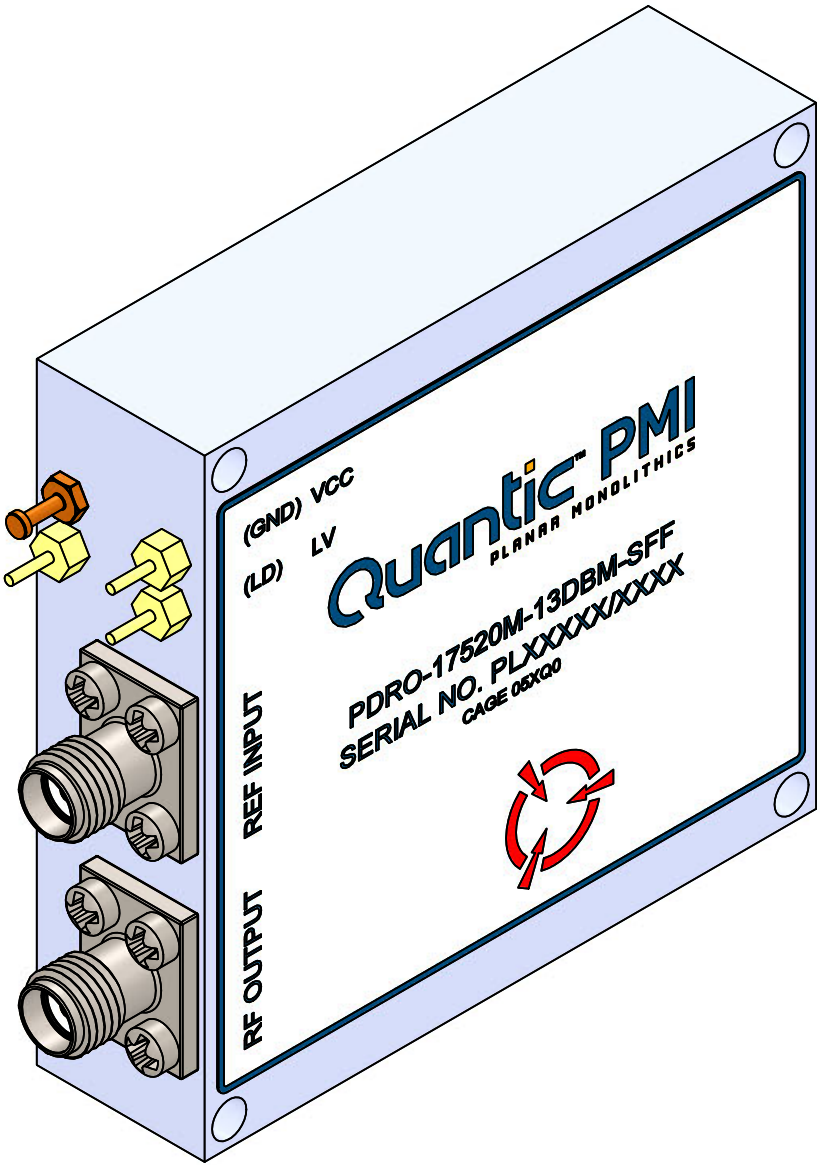
SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 17520 MHz
- REFERENCE FREQUENCY:..... 240 MHz (SINEWAVE)
- INPUT LEVEL:..... +3 TO +13 dBm
- OUTPUT LEVEL:..... +13 dBm MIN.
- SPURIOUS:..... -70 dBc MAX
- HARMONICS:..... -20 dBc MAX
- SUB HARMONICS:..... -60 dBc MAX
- LOAD VSWR:..... 1.5:1 MAX
- PHASE NOISE:..... -80 dBc/Hz MAX @ 100Hz
(REF INPUT 8 dBm MIN @ 25°C) -101 dBc/Hz MAX @ 1 kHz
-108 dBc/Hz MAX @ 10 kHz
-108 dBc/Hz MAX @ 100 kHz
-130 dBc/Hz MAX @ 1 MHz
- REFERENCE PHASE NOISE:..... -130 dBc/Hz MAX @ 100 Hz
-150 dBc/Hz MAX @ 1 kHz
-160 dBc/Hz MAX @ 10 kHz
-160 dBc/Hz MAX @ 100 kHz
- FREQUENCY STABILITY:..... SAME AS REFERENCE
- SUPPLY VOLTAGE:..... +12V ±10%
- CURRENT:..... 300 mA MAX
- LOCK DETECTOR:..... TTL HIGH - LOCK
- CONNECTOR:..... REF CONNECTOR: SMA(F)
RF CONNECTOR: SMA(F)
POWER: THRU CAPACITOR
- FINISH:..... NICKEL PLATED
- DIMENSIONS:..... 2.25" X 2.25" X 0.62"

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	6/12/2025	



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

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.02 ±
XXX ± 0.01

APPROVALS
DRAWN VP
REDRAWN
ISSUED

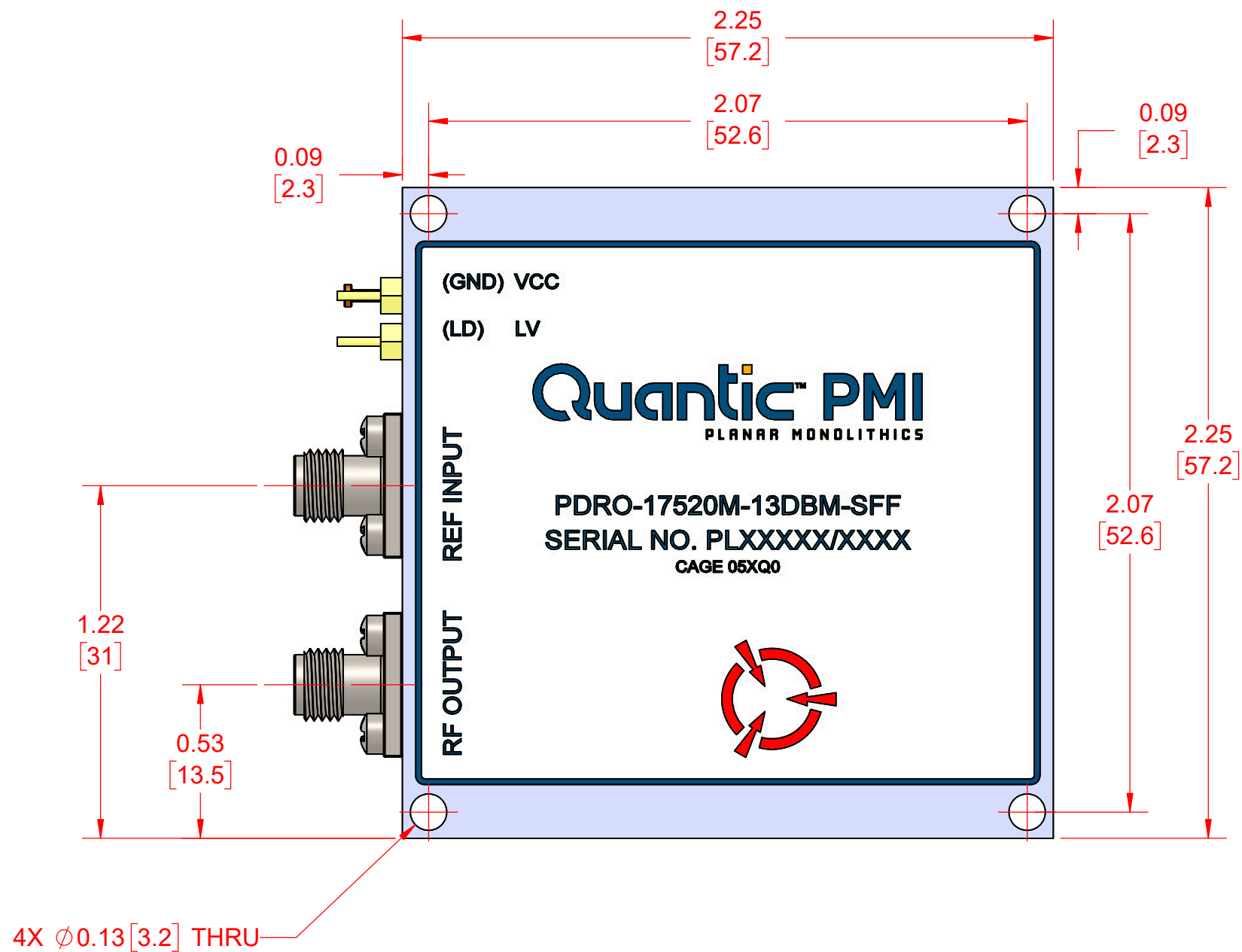
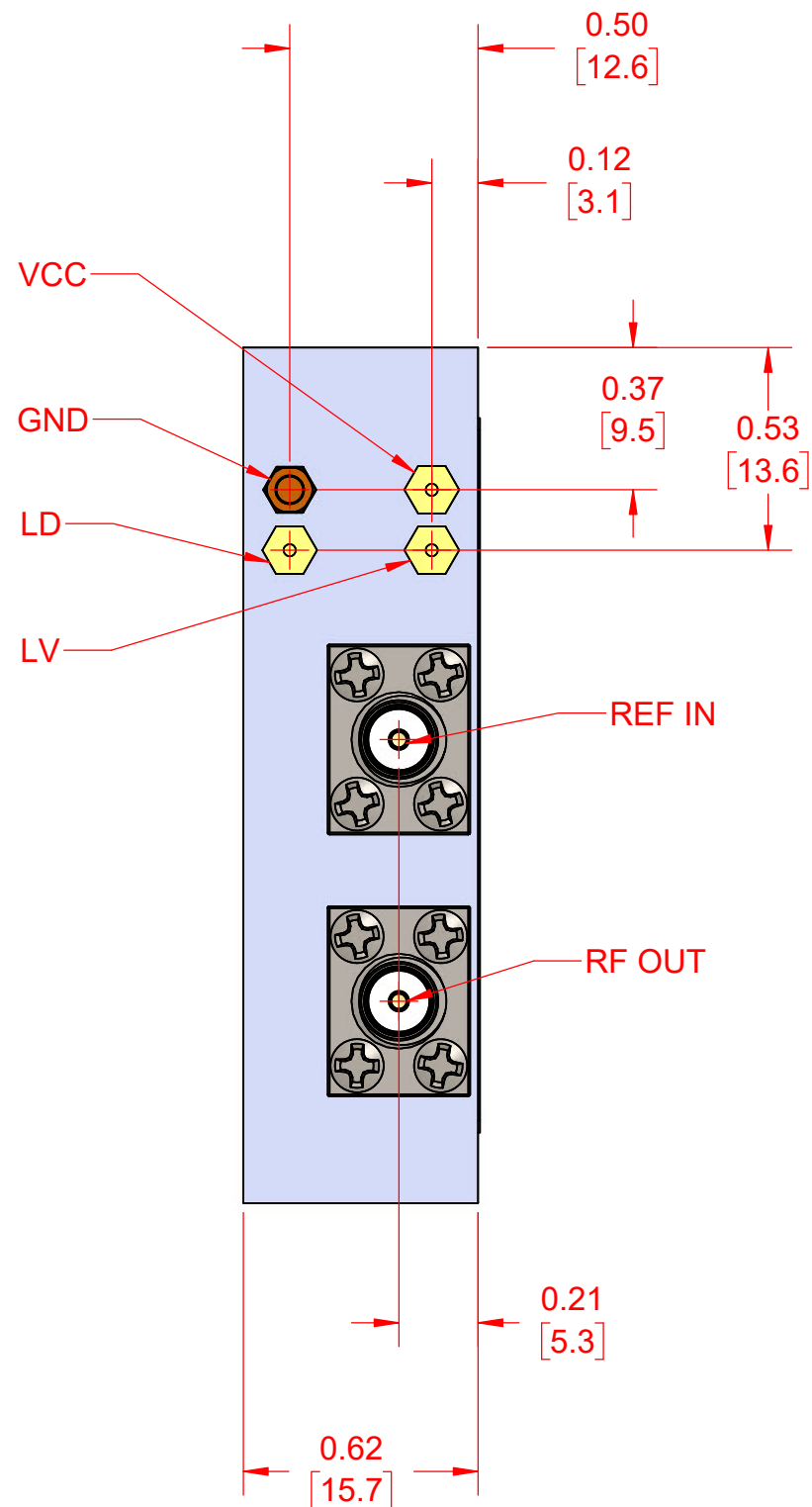
DATE
6/12/2025

Quantic PMI
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ISO 9001 CERTIFIED

TITLE
OUTLINE
PDRO-17520M-13DBM-SFF

SIZE B FSCM NO. 05XQ0 DWG NO. 27052220 REV. A1

SCALE 2:1 SHEET 1 OF 2



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SCALE 2:1		SHEET 2 OF 2	