

DESCRIPTION

PMI MODEL NUMBER PDRO-115625M-13DBM-SFF IS A PHASE LOCKED OSCILLATOR WITH AN OUTPUT FREQUENCY OF 11562.5 MHz AND A MINIMUM OUTPUT LEVEL OF +13 dBm. THE PACKAGE SIZE IS 2.25" X 2.25" X 1.41" WITH SMA FEMALE RF CONNECTORS

SPECIFICATIONS

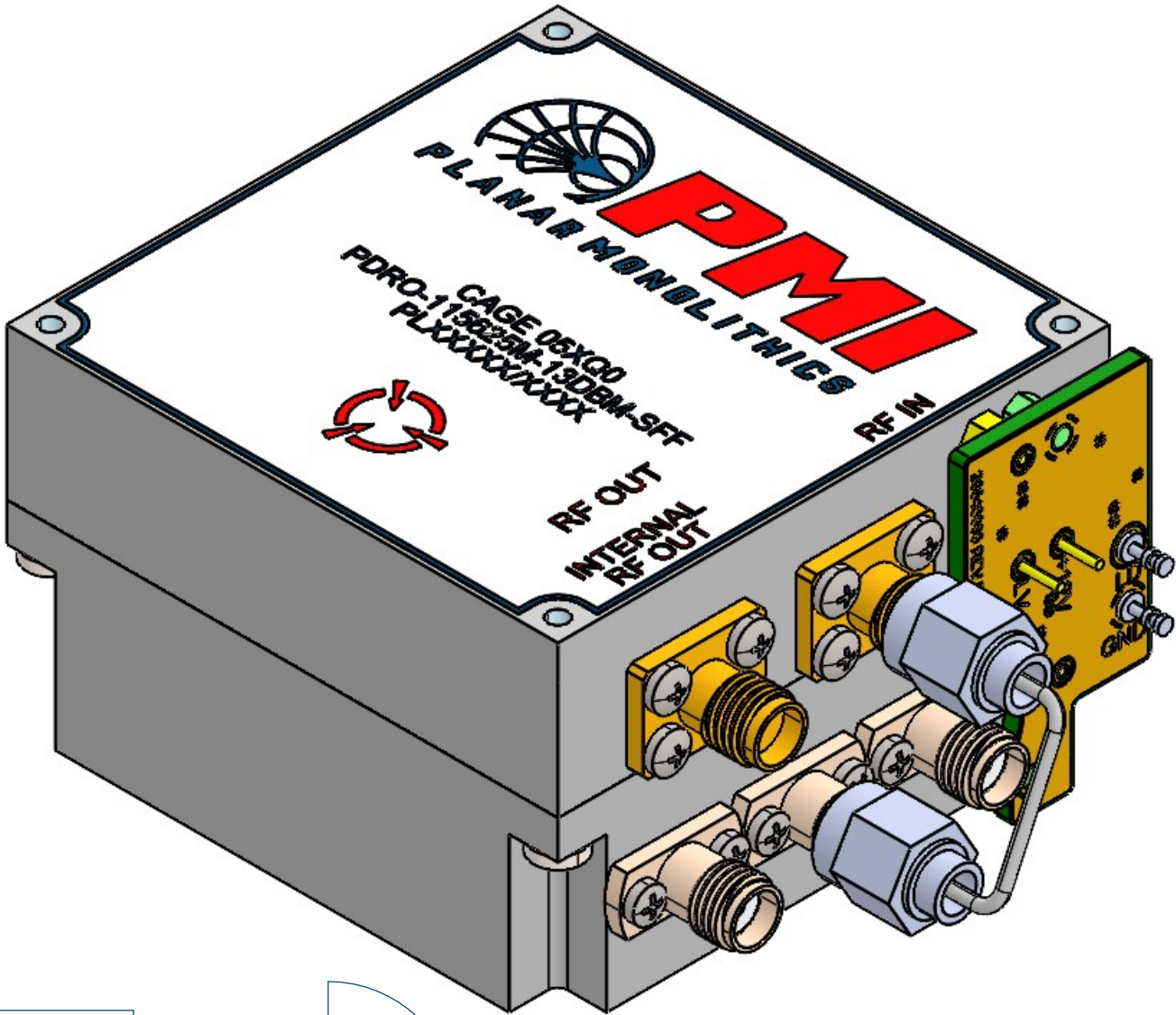
- OUTPUT FREQUENCY: 11562.5 MHz
- REFERENCE FREQUENCY: 10 MHz (SINEWAVE)
- INPUT LEVEL: -3 TO +3 dBm
- OUTPUT LEVEL: +13 dBm MIN
- SPURIOUS: -70 dBc MAX
- HARMONICS: -20 dBc MAX
- LOAD VSWR: 1 : 1.5 MAX
- PHASE NOISE: -108 dBc/Hz MAX @ 1 kHz
-115 dBc/Hz MAX @ 10 kHz
-115 dBc/Hz MAX @ 100 kHz
-130 dBc/Hz MAX @ 1 MHz
- REFERENCE PHASE NOISE: -115 dBc/Hz MAX @ 10 Hz
-140 dBc/Hz MAX @ 100 Hz
-155 dBc/Hz MAX @ 1000 Hz
-165 dBc/Hz MAX @ 10 kHz
- SUPPLY VOLTAGE: +12V
- CURRENT: 450 mA MAX
- LOCK DETECTOR: TTL High — Lock
- LOCK VOLTAGE MONITOR: +12V
- CONNECTORS: RF CONNECTORS: SMA (F)
POWER: THRU CAPACITOR
- FINISH: SILVER PLATED

ENVIRONMENTAL RATINGS

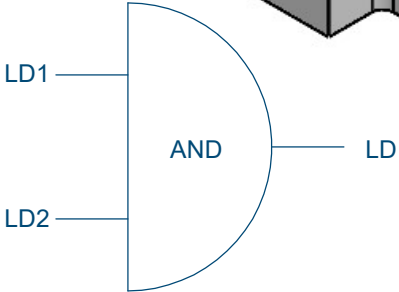
- TEMPERATURE: 0°C TO +50°C (OPERATING)
-65°C TO +125°C (STORAGE)
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/11/2026	

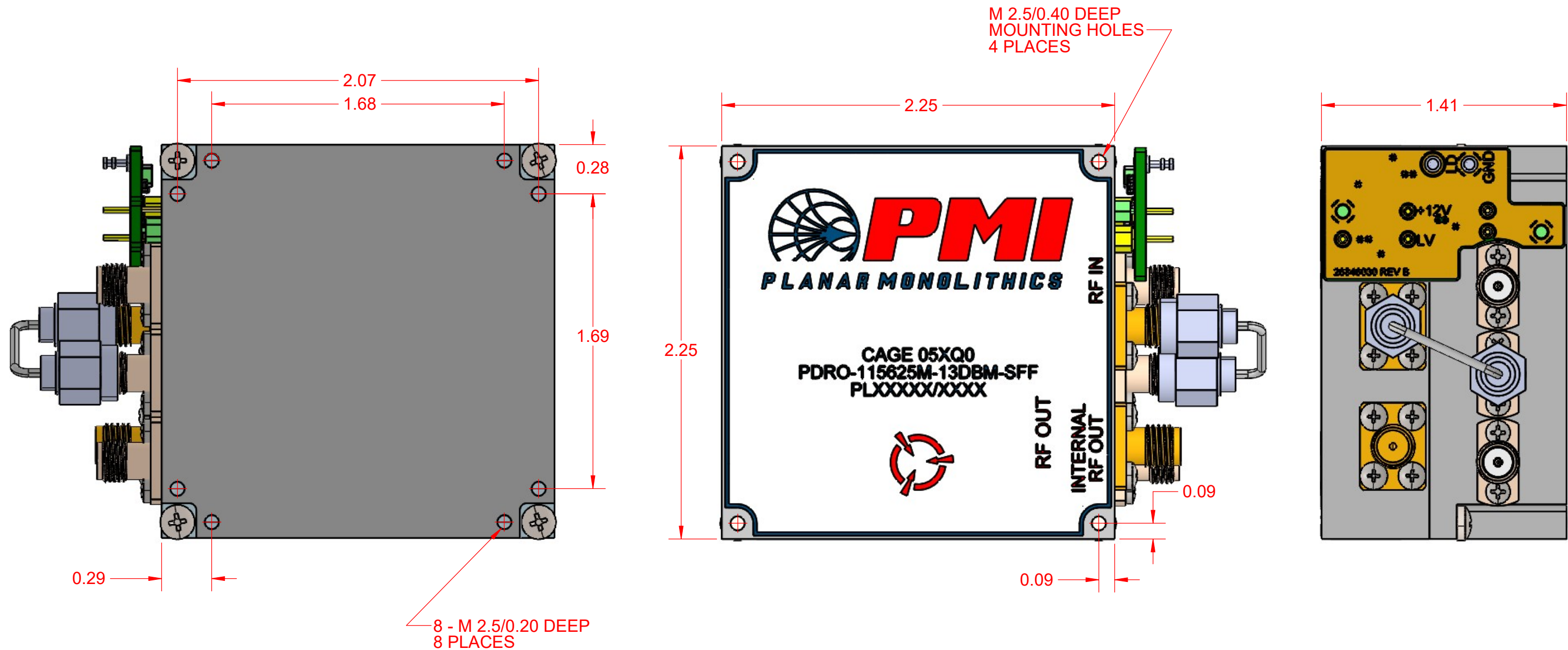


INPUT		OUTPUT
LD1	LD2	LD
TTL LOW	TTL LOW	TTL LOW
TTL LOW	TTL HIGH	TTL LOW
TTL HIGH	TTL LOW	TTL LOW
TTL HIGH	TTL HIGH	TTL HIGH



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			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 PRODUCT FEATURE PDRO-115625M-13DBM-SFF			
	DRAWN A. SABADOS	09/11/2026				
	REDRAWN					
	ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
			SCALE 1:1			SHEET 1 OF 2



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ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1	
		SCALE 1:1			SHEET 2 OF 2	