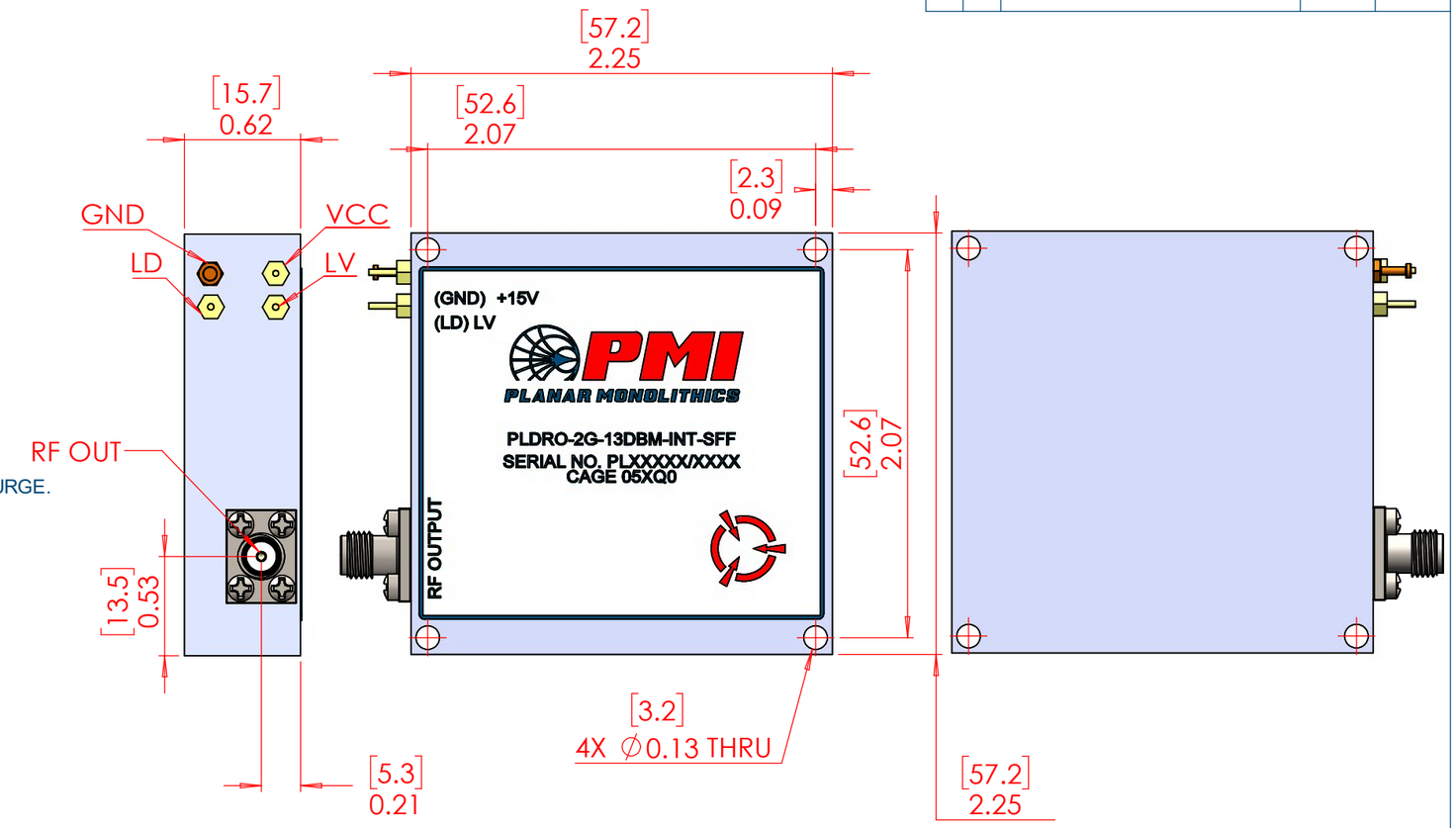
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/25/26	

DESCRIPTION:

PMI MODEL NUMBER PLDRO-2G-13DBM-INT-SFF IS A 2 GHz OSCILLATOR FEATURING AN INTERNAL REFERENCE, HIGH ACCURACY, AND +13 dBm OUTPUT POWER.

SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 2 GHz
- REFERENCE FREQUENCY:..... INTERNAL
- WARM UP TIME:..... 5 MINUTES MAX
- FREQUENCY ACCURACY:..... ±1 PPM MAX @ 25°C
- FREQUENCY STABILITY:..... ±2 PPM MAX OVER OPERATING TEMP
- OUTPUT LEVEL:..... +13 dBm MIN
- SPURIOUS:..... -80 dBc MAX
- HARMONICS:..... -20 dBc MAX
- LOAD VSWR:..... 1:1.5 MAX
- PHASE NOISE(@+25°C):..... -102 dBc/Hz MAX. @ 100 Hz
  -126 dBc/Hz MAX. @ 1 kHz
  -131 dBc/Hz MAX. @ 10 kHz
  -131 dBc/Hz MAX. @ 100 kHz
  -140 dBc/Hz MAX. @ 1 MHz
- SUPPLY VOLTAGE:..... +15VDC ±10%
- CURRENT:..... 450 mA MAX STEADY. ; 850 mA MAX SURGE.
- LOCK DETECTOR:..... TTL HIGH IN LOCK
- CONNECTOR:..... RF 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 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
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE
DRAWN I.Cossio	6/25/26
REDRAWN	
ISSUED	

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

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

TITLE: OUTLINE
PLDRO-2G-13DBM-INT-SFF

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27055520	A1

SCALE 2:1 SHEET 1 OF 1