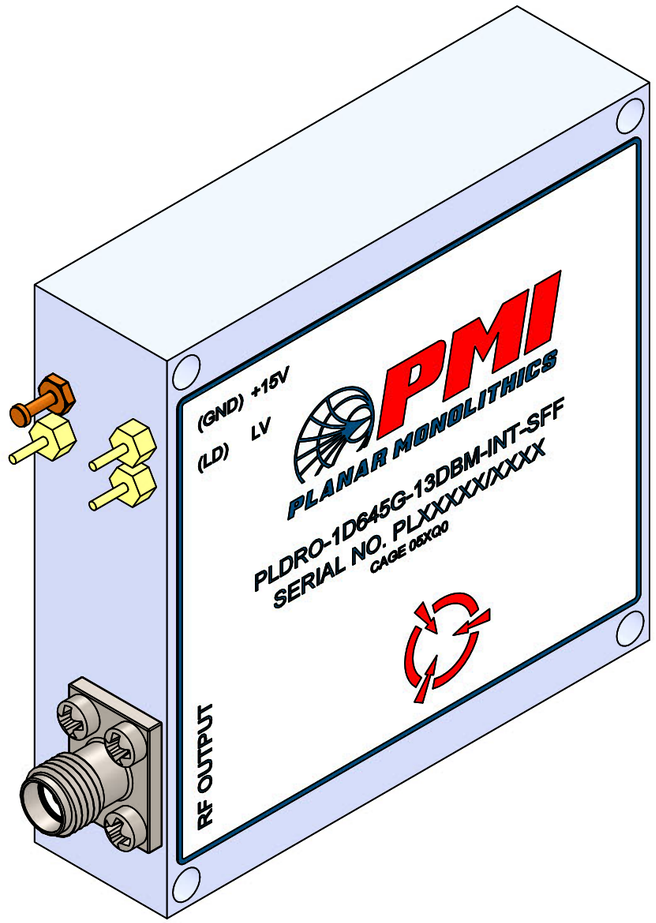
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/24/2026	

DESCRIPTION:

PMI MODEL PLDRO-1D645G-13DBM-INT-SFF IS A PLDRO WITH AN OUTPUT FREQUENCY OF 1.645 GHz. PACKAGE SIZE IS 2.25” X 2.25” X 0.62” WITH SMA CONNECTORS.

SPECIFICATIONS:

- OUTPUT FREQUENCY:..... 1.645 GHz
- REFERENCE FREQUENCY:..... INTERNAL
- WARM UP TIME:..... 5 MINUTES MAX.
- FREQUENCY ACCURACY @ 25°C:..... ±1 ppm MAX.
- 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:..... -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:..... + 15V ± 10%
- CURRENT:..... 450 mA MAX. STEADY; 850 mA MAX. SURGE
- LOCK DETECTOR:..... TTL HIGH IN LOCK
- CONNECTOR:..... RF CONNECTOR: SMA FEMALE



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

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

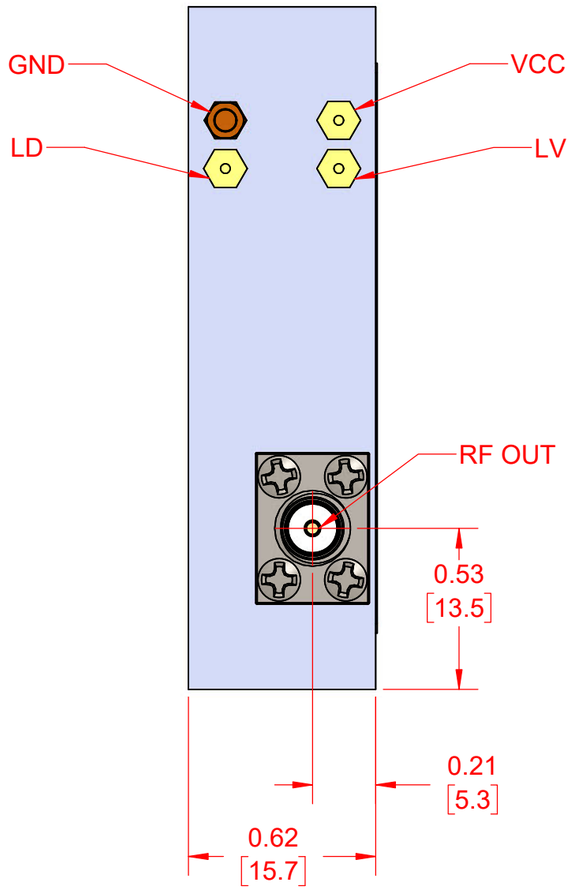
APPROVALS	DATE
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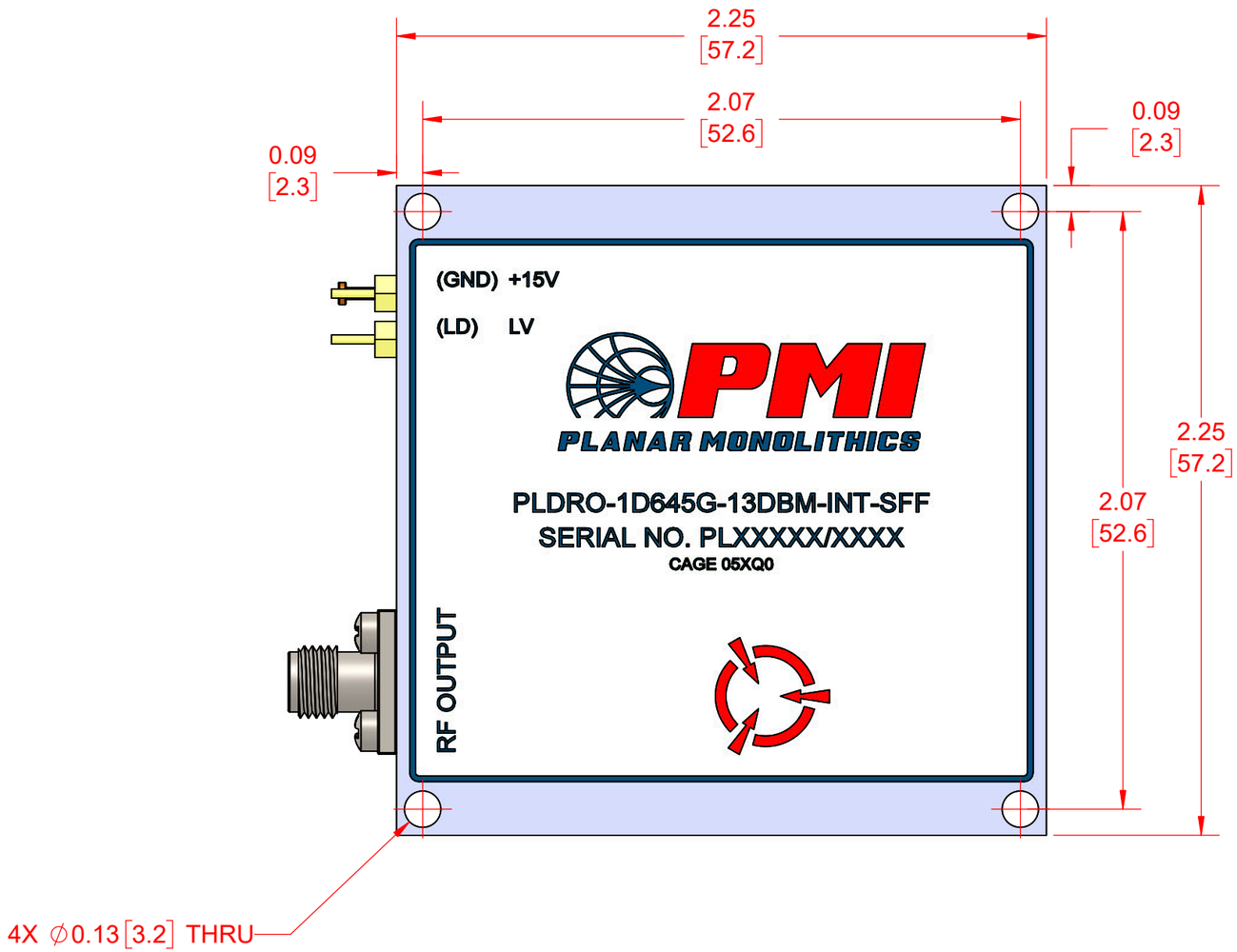
PMI PLANAR MONOLITHICS
7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA
TEL: (301) 662-5019, FAX: (301) 662-1731
WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM
ISO 9001 CERTIFIED

TITLE: OUTLINE
PLDRO-1D645G-13DBM-INT-SFF

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27055500	A1

SCALE 2:1 SHEET 1 OF 2





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TITLE			
OUTLINE PLDRO-1D645G-13DBM-INT-SFF			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27055500	A1
SCALE 2:1			SHEET 2 OF 2