

## DESCRIPTION

PMI MODEL NO. PLO-34D5G-10M-EXT IS A PDRO WITH AN OUTPUT FREQUENCY OF 34.50 GHz AND An OUTPUT LEVEL OF +10 +/- 1 dBm. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS.

## SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 34.50 GHz
- REFERENCE FREQUENCY: ----- 10 MHz
- INPUT LEVEL: ----- -3 dBm to 3 dBm
- OUTPUT LEVEL: ----- +10 +/- 1 dBm
- SPURIOUS: ----- -75 dBc MAX
- HARMONICS: ----- -20 dBc MAX
- LOAD VSWR: ----- 1:1.5 MAX
- PHASE NOISE: -----
  - 76 dBc/Hz @ 100 Hz MAX
  - 95 dBc/Hz @ 1 kHz MAX
  - 97 dBc/Hz @ 10 kHz MAX
  - 103 dBc/Hz @ 100 kHz MAX
  - 128 dBc/Hz @ 1 MHz MAX
- FREQUENCY STABILITY: ----- SAME AS REFERENCE
- SUPPLY VOLTAGE: ----- +12 V
- CURRENT: ----- 550 mA TYP
- LOCK DETECTOR: ----- TTL HIGH - LOCK
- CONNECTOR: -----
  - RF OUT CONNECTOR: 2.92K
  - Ref INPUT CONNECTOR: SMA (F)
  - POWER: THR CAPACITOR
- FINISH: ----- UNPAINTED

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -----
  - 40 °C TO +70 °C (OPERATING)
  - 50 °C TO +80 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

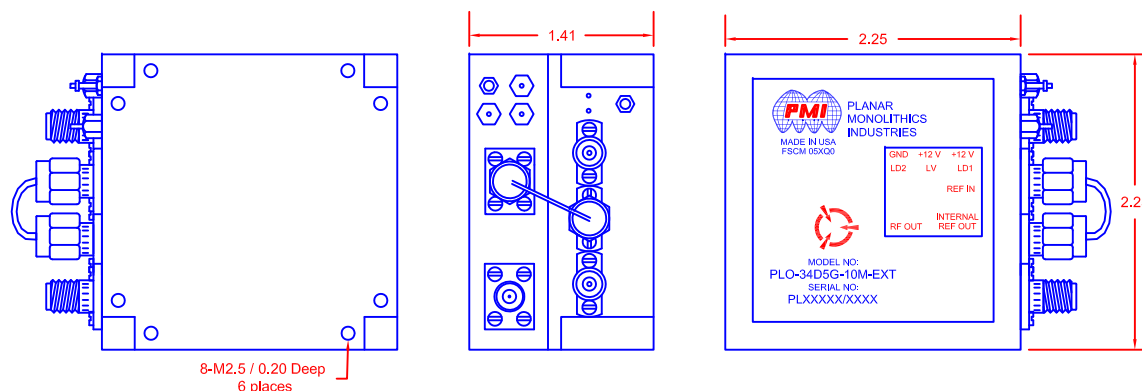
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

### REVISIONS

| ZONE | REV. | DESCRIPTION | DATE      | APPROVED |
|------|------|-------------|-----------|----------|
|      | -    | PRELIMINARY | 1/30/2023 |          |
|      |      |             |           |          |
|      |      |             |           |          |

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



| APPROVALS |     | DATE     |       | TITLE             |        |
|-----------|-----|----------|-------|-------------------|--------|
| DRAWN     |     | 1/30/23  |       | PRODUCT FEATURE   |        |
| REDRAWN   |     |          |       | PLO-34D5G-10M-EXT |        |
| ISSUED    |     |          |       | PRELIMINARY       |        |
| SIZE      | A   | FSCM NO. | 05XQ0 | DWG NO.           |        |
| SCALE     | N:S |          |       | SHEET             | 1 OF 1 |