

DESCRIPTION

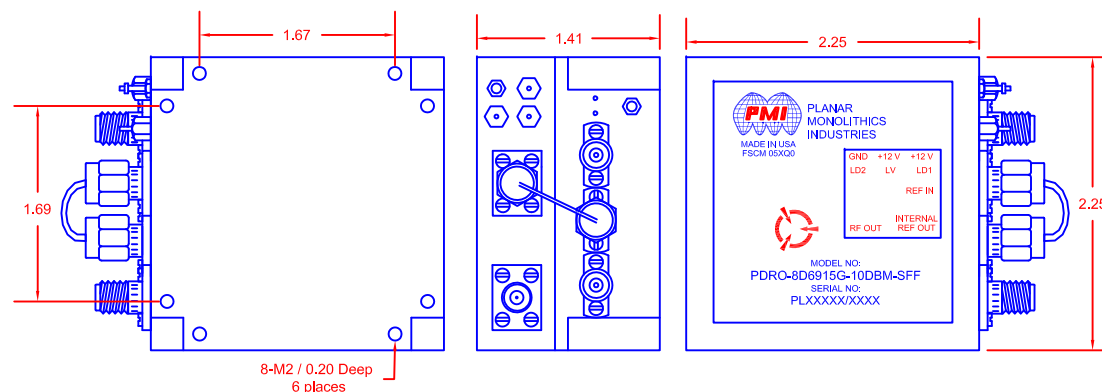
PMI MODEL NO. PDRO-8D6915G-10DBM-SFF IS A PDRO WITH AN OUTPUT FREQUENCY OF 8691.5 MHz AND AN OUTPUT LEVEL OF +10 dBm. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/26/2023	

SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 8691.5 MHz
- REFERENCE FREQUENCY: ----- 10 MHz
- INPUT LEVEL: ----- -3 to +3 dBm
- OUTPUT LEVEL: ----- +10 +/- 1 dBm
- OUTPUT POWER OVER TEMP: ----- +/- 2 dB
- SPURIOUS: ----- -70 dBc MAX
- HARMONICS: ----- -25 dBc MAX
- LOAD VSWR: ----- 1:1.5
- PHASE NOISE: -----
 - 52 dBc/Hz @ 100 Hz MAX
 - 85 dBc/Hz @ 1 kHz MAX
 - 110 dBc/Hz @ 10 kHz MAX
 - 120 dBc/Hz @ 100 kHz MAX
 - 135 dBc/Hz @ 1 MHz MAX
- FREQUENCY STABILITY: ----- SAME AS REFERENCE
- SUPPLY VOLTAGE: ----- +12 V
- CURRENT: ----- 600 mA MAX
- LOCK DETECTOR: ----- TTL HIGH - LOCK
- CONNECTOR: -----
 - RF OUT CONNECTOR: SMA (F)
 - REF IN CONNECTOR: SMA (F)
 - POWER: THR CAPACITANCE
- FINISH: ----- UNPAINTED
- REFERENCE PHASE NOISE: -----
 - 130 dBc/Hz @ 10 Hz MAX
 - 145 dBc/Hz @ 100 Hz MAX
 - 155 dBc/Hz @ 1 kHz MAX

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: -----
 - 40 °C TO +70 °C (OPERATING)
 - 55 °C TO +85 °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

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		10/26/23		PRODUCT FEATURE	
REDRAWN				PDRO-8D6915G-10DBM-SFF	
ISSUED				PRELIMINARY	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	