

DESCRIPTION

PMI MODEL NO. PDRO-12D8G-13DBM-SFF-50M-EXT IS A PDRO WITH AN OUTPUT FREQUENCY OF 12800 MHz AND A MINIMUM OUTPUT LEVEL OF +13 dBm. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 12800 MHz
- REFERENCE FREQUENCY: ----- 50 MHz (SINEMODE)
- INPUT LEVEL: ----- +3 TO +13
- OUTPUT LEVEL: ----- +13 dBm MIN
- SPURIOUS: ----- -75 dBc MAX
- HARMONICS: ----- -20 dBc MAX
- LOAD VSWR: ----- 1.5:1
- PHASE NOISE (TYP@50 MHz = 5dBm @ 25°C): -----
 - 85 dBc/Hz @ 100 Hz MAX
 - 103 dBc/Hz @ 1 kHz MAX
 - 110 dBc/Hz @ 10 kHz MAX
 - 110 dBc/Hz @ 100 kHz MAX
 - 132 dBc/Hz @ 1 MHz MAX
- FREQUENCY STABILITY: ----- SAME AS REFERENCE
- SUPPLY VOLTAGE: ----- +12 V TO 15V
- CURRENT: ----- 300 mA MAX
- LOCK DETECTOR: ----- TTL HIGH - LOCK
- CONNECTOR: ----- RF CONNECTOR: SMA FEMALE
POWER: THROUGH CAP
- DIMENSIONS: ----- 2.25" x 2.25" x 0.62"
- REFERENCE PHASE NOISE: -----
 - 136 dBc/Hz @ 100 Hz MAX
 - 155 dBc/Hz @ 1 kHz MAX
 - 165 dBc/Hz @ 10 kHz MAX
 - 165 dBc/Hz @ 100 kHz MAX

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40°C TO +70°C (OPERATING)
-55°C TO +125°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

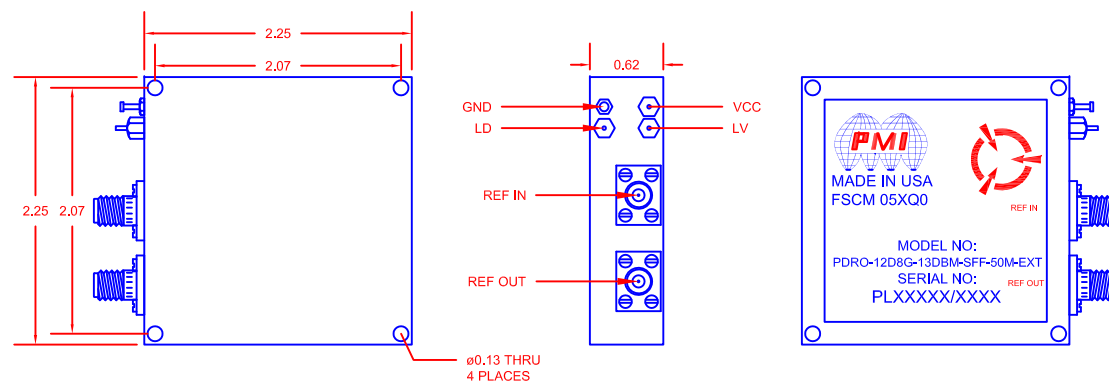
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/8/2022	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			REV.
DRAWN <i>AF</i>		7/8/22	PRODUCT FEATURE PDRO-12D8G-13DBM-SFF-50M-EXT			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S		SHEET 1 OF 1	