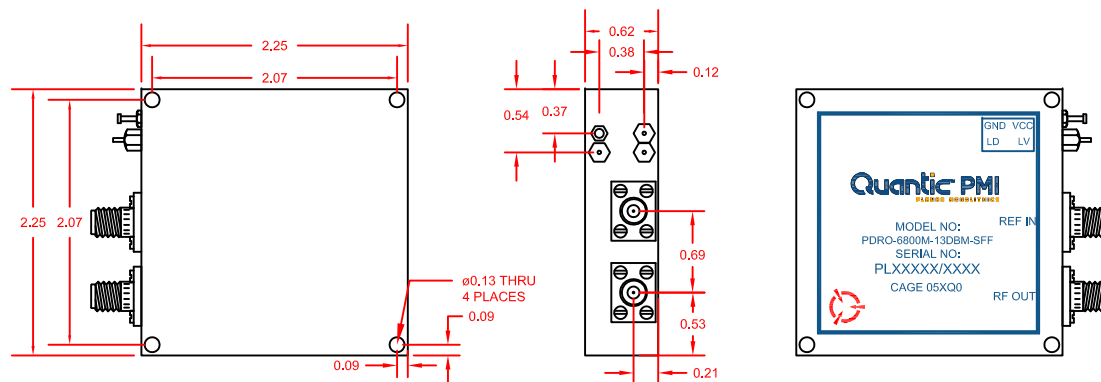


DESCRIPTION

PMI MODEL NO. PDRO-6800M-13DBM-SFF IS A PDRO WITH AN OUTPUT FREQUENCY OF 6800 MHz AND A MINIMUM OUTPUT LEVEL OF +13 dBm. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 6800 MHz
- REFERENCE FREQUENCY: ----- 100 MHz (SINEWAVE)
- INPUT LEVEL: ----- +3 TO +13 dBm
- OUTPUT LEVEL: ----- +13 dBm MIN
- SPURIOUS: ----- 75 dBc MIN
- HARMONICS: ----- 20 dBc MIN
- LOAD VSWR: ----- 1.5:1 MAX
- PHASE NOISE (REF INPUT 8 dBm MIN @ 25°C): -----
 - 20logN+3 dBc/Hz @ 100 Hz MAX
 - 20logN+3 dBc/Hz @ 1 kHz MAX
 - 20logN+3 dBc/Hz @ 10 kHz MAX
 - 20logN+3 dBc/Hz @ 100 kHz MAX
 - 140 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: -----
 - 135 dBc/Hz @ 100 Hz MAX
 - 160 dBc/Hz @ 1 kHz MAX
 - 164 dBc/Hz @ 10 kHz MAX
 - 165 dBc/Hz @ 100 kHz MAX
- FINISH:----- NICKEL PLATED



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

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/12/23	
	A2	ECN # 25-0068	03/05/25	

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ISO 9001 CERTIFIED

Quantic PMI
PLANNED MONOLITHICS

		TITLE PRODUCT FEATURE PDRO-6800M-13DBM-SFF					
APPROVALS						DATE	
DRAWN						01/12/23	
REDRAWN				SIZE	FSCM NO.	DWG NO.	REV
				A	05XQ0	27045420	A2
ISSUED				SCALE N:S			SHEET 1 OF 1