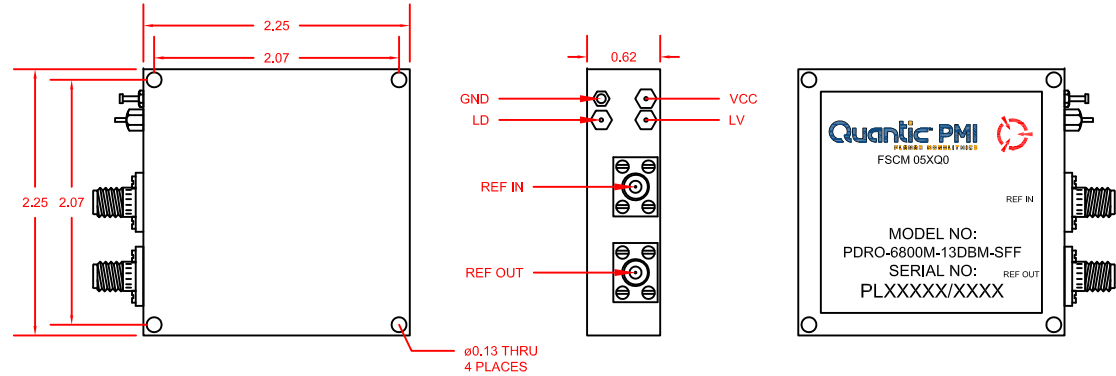


## DESCRIPTION

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 MAX
- HARMONICS: ----- -20 dBc MAX
- 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



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/12/23	

## 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**

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 ISO 9001 CERTIFIED

**Quantic PMI**  
 PLANNED MONOLITHICS

APPROVALS		DATE	TITLE		
DRAWN <i>MDL</i>		01/12/23	PRODUCT FEATURE PDRO-6800M-13DBM-SFF		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. 27045420
ISSUED			SCALE N:S		REV. A1
				SHEET	1 OF 1