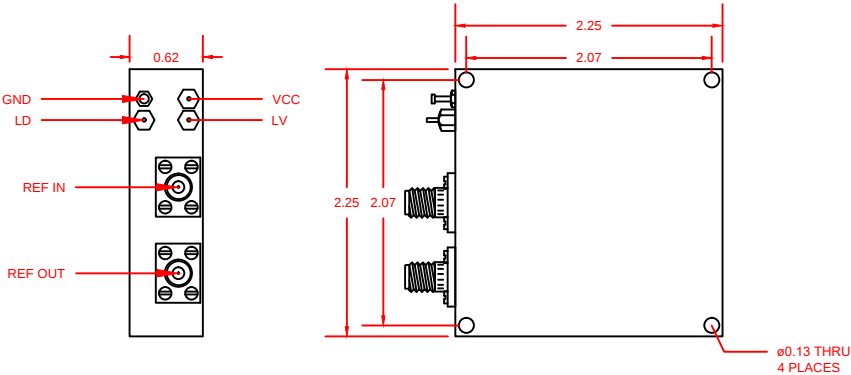
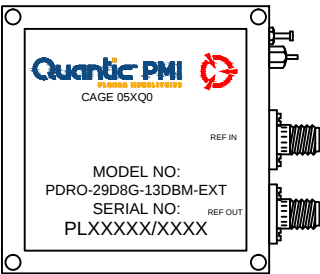


DESCRIPTION

PMI MODEL NO. PDRO-29D8G-13DBM-EXT IS A DRO WITH AN OUTPUT FREQUENCY OF 29800 MHz AND A MINIMUM OUTPUT LEVEL OF +13 dBm.

SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 29800 MHz
- REFERENCE FREQUENCY: ----- 100 MHz (SINEWAVE) - EXTERNAL
- INPUT LEVEL: ----- +3 TO +13 dBm
- OUTPUT LEVEL: ----- +13 dBm MIN
- SPURIOUS: ----- -60 dBc MAX
- HARMONICS: ----- -20 dBc MAX
- LOAD VSWR: ----- 1.5:1
- PHASE NOISE (REF INPUT 8 dBm MIN @ 25°C): -----
 - 65 dBc/Hz @ 100 Hz MAX
 - 81 dBc/Hz @ 1 kHz MAX
 - 95 dBc/Hz @ 10 kHz MAX
 - 107 dBc/Hz @ 100 kHz MAX
 - 123 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: 2.92mm FEMALE
REF CONNECTOR: SMA (F)
POWER: THROUGH CAP
- DIMENSIONS: ----- 2.25" x 2.25" x 0.62"
- REFERENCE PHASE NOISE: -----
 - 135 dBc/Hz @ 100 Hz MAX
 - 155 dBc/Hz @ 1 kHz MAX
 - 165 dBc/Hz @ 10 kHz MAX
 - 165 dBc/Hz @ 100 kHz MAX
- FINISH:----- NICKEL PLATED



ENVIRONMENTAL RATINGS

- TEMPERATURE: -----
 - 20°C TO +85°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	05/23/23	
	A2	ECN 23-0125	06/28/23	

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		MDL		05/23/23		PRODUCT FEATURE PDRO-29D8G-13DBM-EXT	
REDRAWN							
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		27046640		A2	
SCALE		N:S				SHEET	
						1 OF 1	