

DESCRIPTION

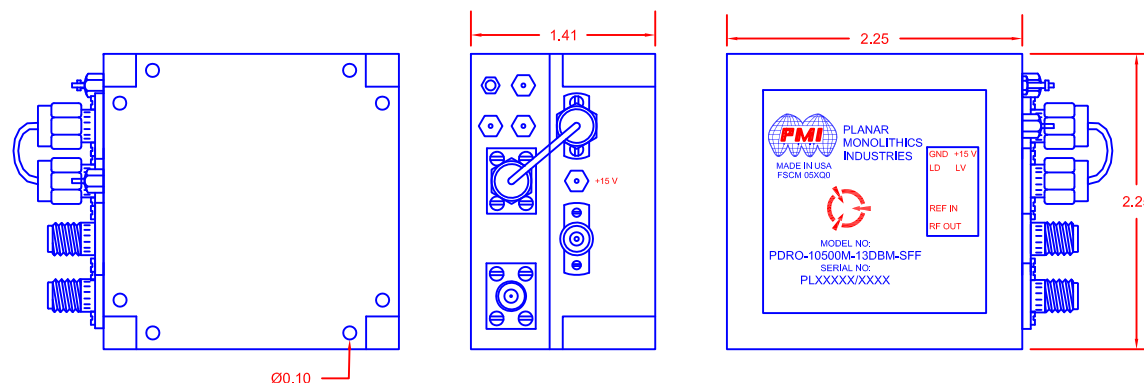
PMI MODEL NO. PDRO-10500M-13DBM-SFF IS A PDRO WITH AN OUTPUT FREQUENCY OF 10,500 MHz AND A MINIMUM OUTPUT LEVEL OF +13 dBm. THIS MODEL IS OUTFITTED WITH SMA-K CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/24/2019	

MECHANICAL OUTLINE

SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 10,500 MHz
- REFERENCE FREQUENCY: ----- 10 MHz
- INPUT LEVEL: ----- +3 TO +10 dBm
- OUTPUT LEVEL: ----- +13 dBm MIN
- SPURIOUS: ----- -70 dBc MAX
- HARMONICS: ----- -20 dBc MAX
- LOAD VSWR: ----- 1.5:1
- PHASE NOISE: ----- -88 dBc/Hz @ 100 Hz MAX
-112 dBc/Hz @ 1 kHz MAX
-120 dBc/Hz @ 10 kHz MAX
-120 dBc/Hz @ 100 kHz MAX
-140 dBc/Hz @ 1 MHz MAX
- FREQUENCY STABILITY: ----- AS REFERENCE
- SUPPLY VOLTAGE: ----- +12 V ± 10%
- CURRENT: ----- 450 mA MAX
- LOCK DETECTOR: ----- TTL HIGH - LOCK, TTL LO - OUT OF LOCK
- WARM UP TIME: ----- 5 MINUTES
- CONNECTOR: ----- RF CONNECTOR: SMA-K
POWER AND PHASE LOCK ALARM: THR CAPACITANCE
GROUND: SOLDER PIN
- FINISH: ----- UNPAINTED



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 <i>EW</i>		10/24/19	PRODUCT FEATURE PDRO-10500M-13DBM-SFF			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S	SHEET 1 OF 1		