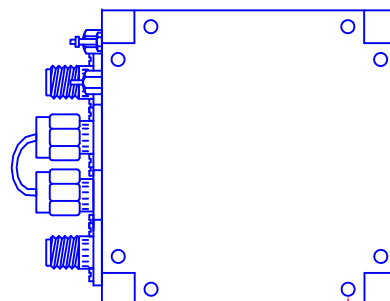


DESCRIPTION

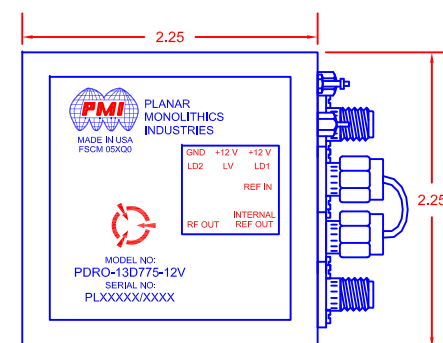
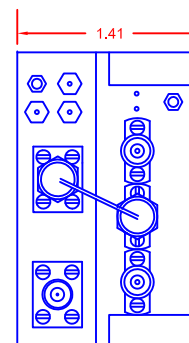
PMI MODEL NO. PDRO-13D775-12V IS A PDRO WITH AN OUTPUT FREQUENCY OF 13,775 GHz AND AN OUTPUT LEVEL OF +12 +/- 2 dBm. THIS MODEL IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS

- OUTPUT FREQUENCY: ----- 13,775 GHz
- REFERENCE FREQUENCY: ----- 10 MHz
- INPUT LEVEL: ----- -5 dBm to 5 dBm
- OUTPUT LEVEL: ----- +12 +/- 2 dBm
- SPURIOUS: ----- -80 dBc MAX (Inside +/- 250 MHz from Fc)
- HARMONICS: ----- -20 dBc MAX
- LOAD VSWR: ----- 1.5:1
- PHASE NOISE: -----
 - 54 dBc/Hz @ 10 Hz MAX
 - 78 dBc/Hz @ 100 Hz MAX
 - 98 dBc/Hz @ 1 kHz MAX
 - 108 dBc/Hz @ 10 kHz MAX
 - 113 dBc/Hz @ 100 kHz MAX
 - 123 dBc/Hz @ 1 MHz MAX
 - 128 dBc/Hz @ >=1 MHz
- FREQUENCY STABILITY: ----- +/- 1 ppm/°C
- SUPPLY VOLTAGE: ----- +12 V ± 0.5V
- CURRENT: ----- 600 mA MAX
- LOCK DETECTOR: ----- TTL HIGH - LOCK (LD2) / INTERNAL REF DETECTOR (LD)
TTL HIGH-LOCK
- CONNECTOR: ----- RF CONNECTOR: SMA
POWER AND PHASE LOCK ALARM: SOLDER PIN
GROUND: SOLDER PIN / GND LUG
- FINISH: ----- UNPAINTED



8-M2.5 / 0.20 Deep
6 places



ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +70 °C (OPERATING)
-50 °C TO +80 °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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/5/2022	

MECHANICAL OUTLINE

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		5/5/22		PRODUCT FEATURE			
REDRAWN				PDRO-13D775-12V			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	-
				SCALE	N:S	SHEET	1 OF 1