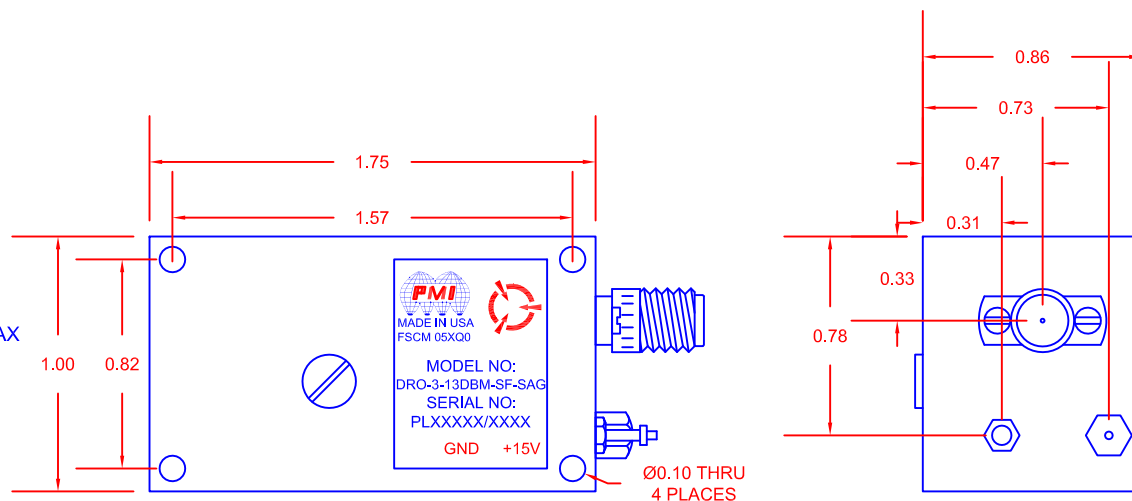


DESCRIPTION

PMI MODEL NO. DRO-3-13DBM-SF-SAG IS A DIELECTRIC RESONATOR OSCILLATOR WITH A CENTER FREQUENCY OF 3.0 GHz. IT HAS A POWER OUTPUT OF +13 dBm AND A MECHANICAL TUNING RANGE OF ± 10 MHz. THIS MODEL IS OUTFITTED WITH A SMA FEMALE CONNECTOR.

SPECIFICATIONS

- CENTER FREQUENCY: ----- 3.0 GHz TYP
- POWER OUTPUT: ----- +13 dBm TYP
- MECHANICAL TUNING RANGE: ----- ± 10 MHz TYP
- FREQUENCY STABILITY: ----- ± 5 ppm/ $^{\circ}$ C MAX
- PHASE NOISE @ 100 kHz OFFSET: ----- -95 dBc/Hz TYP
- SPURIOUS: ----- -75 dBc MAX
- HARMONICS: ----- -20 dBc MAX
- BIAS VOLTAGE: ----- +10 V MIN, +12 V TYP, +15 V MAX
- BIAS CURRENT: ----- 200 mA TYP



ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- 0 $^{\circ}$ C TO +50 $^{\circ}$ C (OPERATING)
- 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

PMI CONFIDENTIAL AND PROPRIETARY

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/17/2020	

MECHANICAL OUTLINE

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE DRO-3-13DBM-SF-SAG				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>1/17/20</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S			SHEET 1	OF 1