

DESCRIPTION

PMI MODEL: DRO-9G-CD-1 IS A DIELECTRICALLY STABILIZED GaAs FET OSCILLATOR WITH FOLLOWING SPECIFICATIONS:

SPECIFICATIONS

- CENTER FREQUENCY: ----- 9 GHz
- MECHANICAL TUNING FREQUENCY: --- ± 25 MHz
- OUTPUT POWER: ----- +16 dBm MAXIMUM
+11 dBm MINIMUM
- SPURIOUS: ----- -55 dBc MINIMUM
- HARMONICS: ----- -20 dBc MINIMUM
- PHASE NOISE (+25 °C @ 10 kHz): ----- -75 dBc/Hz MINIMUM
- FREQUENCY STABILITY: ----- 9.7 MHz MAXIMUM
- PUSHING: ----- 0.1 MHz/V MAXIMUM
- PULLING: ----- ± 4 MHz MAXIMUM @ VSWR
- DC SUPPLY: ----- +15 VDC ($\pm 5\%$) @ 150 mA MAXIMUM
- CONNECTORS: ----- SMA FEMALE / RFI SOLDER TERMINAL
- SIZE: ----- 1.35" x 1.98" x 1.04"
- FINISH: ----- PAINTED BLUE
- WEIGHT: ----- 104.89 g [3.7 oz] MAXIMUM

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -20 °C TO +71 °C (OPERATING)
-62 °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
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

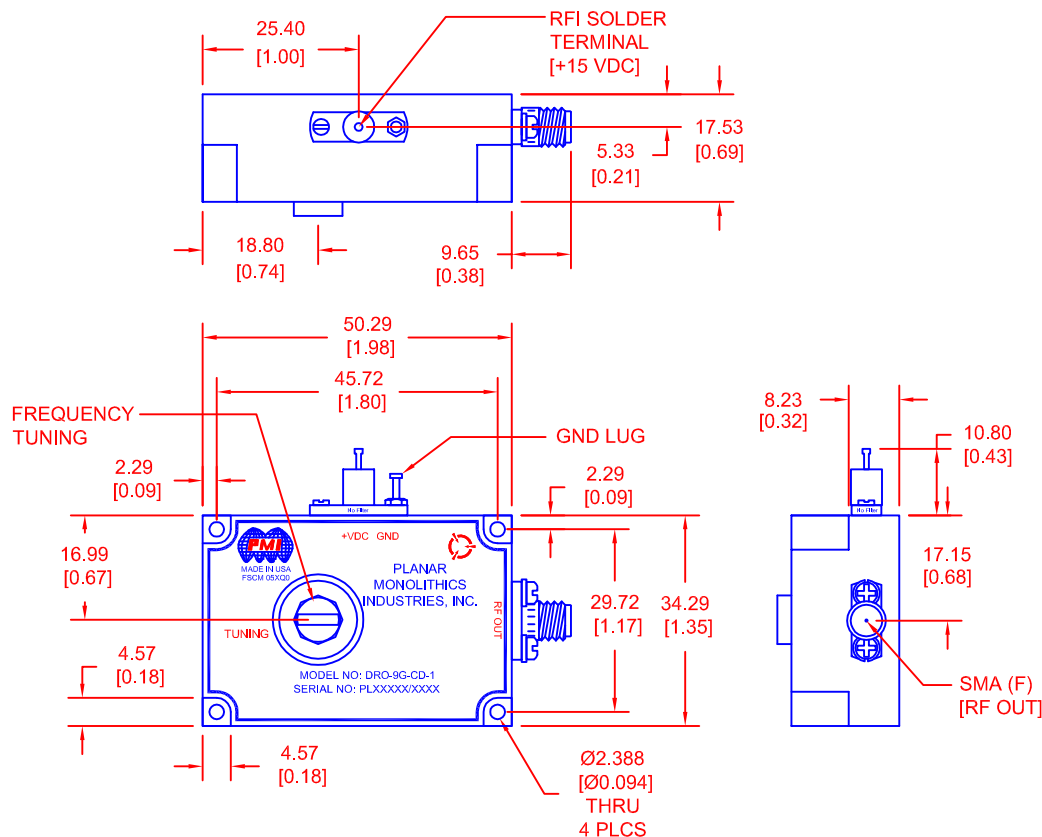
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN mm (INCH)
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/2/21	

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		A1		PRODUCT FEATURE	
CHECKED		01/12/21		DRO-9G-CD-1	
ISSUED					
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27042960	A1		
SCALE	N:S	SHEET	1 OF 1		