

DESCRIPTION

PMI MODEL: DRO-14D0G-25-CD-1 IS AN DIELECTRICALLY STABILIZED GaAs FET OSCILLATOR WITH WITH FOLLOWING SPECIFICATIONS:

SPECIFICATIONS

- CENTER FREQUENCY: ----- 14.0 GHz
- MECHANICAL TUNING FREQUENCY: --- ± 25 MHz
- OUTPUT POWER: ----- +25 dBm MINIMUM
- SPURIOUS: ----- -55 dBc MINIMUM
- HARMONICS: ----- -20 dBc MINIMUM
- PHASE NOISE (+25 °C @ 10 kHz): ----- -70 dBc/Hz MINIMUM
- FREQUENCY STABILITY: ----- 14.3 MHz MAXIMUM
- PUSHING: ----- 0,1 MHz/V MAXIMUM
- PULLING: ----- ± 6 MHz MAXIMUM @ VSWR
- DC SUPPLY: ----- +15 VDC ($\pm 5\%$) @ 150 mA TYP.
- CONNECTORS: ----- SMA FEMALE / RFI SOLDER TERMINAL
- SIZE: ----- 41.40 mm x 26.92 mm x 24.89 mm
1.63" x 1.06" x 0.98"
- FINISH: ----- BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- WEIGHT: ----- 68.04 g [2.4 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

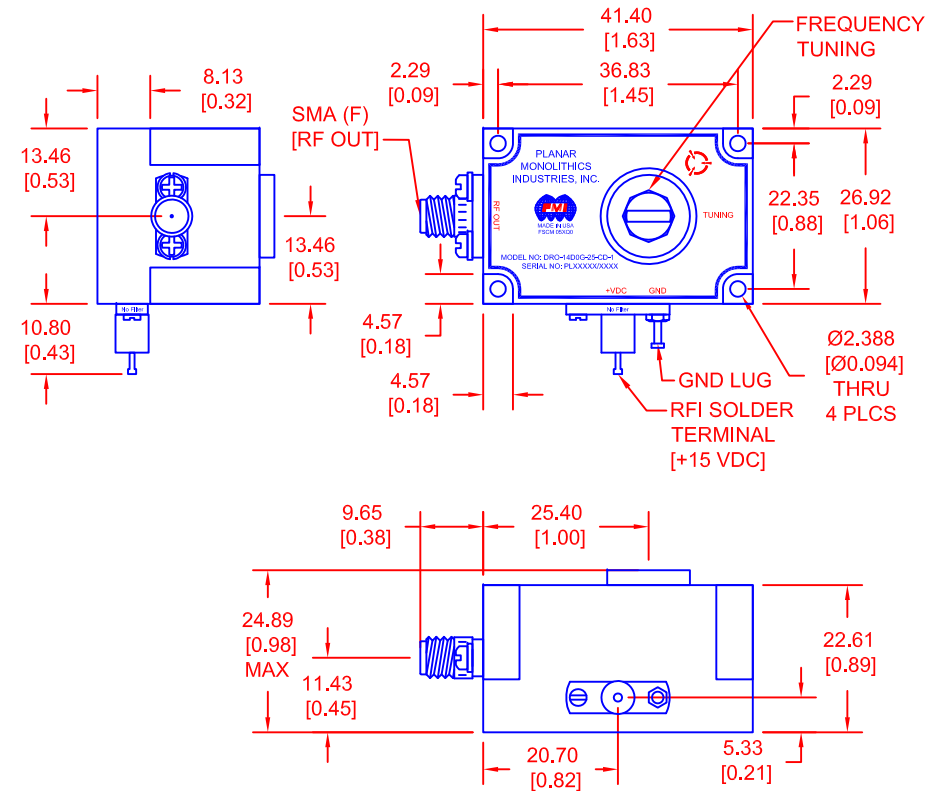
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	-	PRELIMINARY	12/5/2016	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>S. PALAJO</i>		12/5/16	PRODUCT FEATURE DRO-14D0G-25-CD-1			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			PRELIMINARY			
SCALE N:S			SHEET 1 OF 1			