REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/14/13	
	A1	ECN # 14-0015	02/01/14	

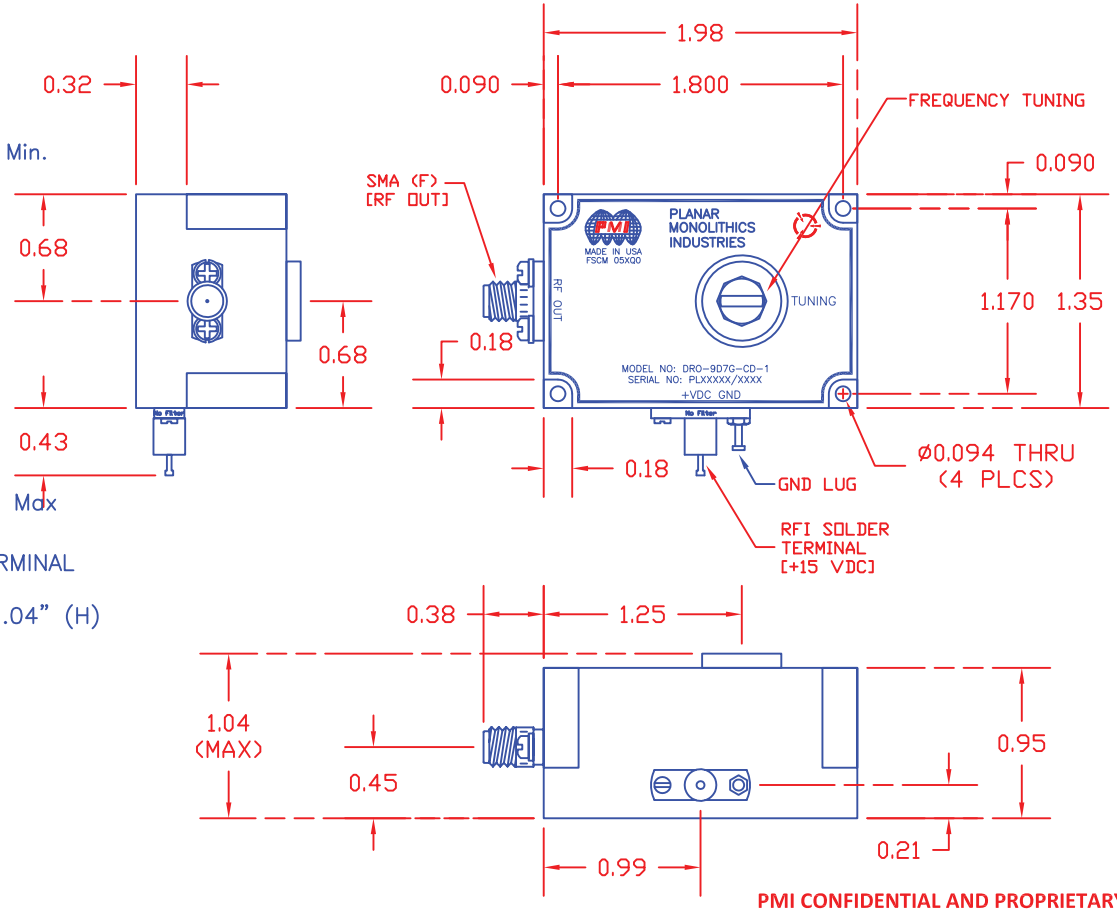
DESCRIPTION

PMI MODEL DRO-9D7G-CD-1 IS AN DIELECTRICALLY STABILIZED GaAs FET OSCILLATOR WITH THE FOLLWING SPECIFICATIONS

SPECIFICATIONS

- CENTER FREQUENCY: 9.7 GHz
- MECHANICAL TUNING FREQUENCY: ±25 MHz
- OUTPUT POWER: +16 dBm Max. / +11 dBm Min.
- SPURIOUS: -55 dBc Min.
- HARMONICS: -20 dBc Min.
- PHASE NOISE (+25°C @ 10kHz): -75 dBc/Hz Min.
- FREQUENCY STABILITY: 9.7 MHz Max.
- PUSHING: 0.1 MHz/V Max.
- PULLING: ±4 MHz Max @ VSWR
- DC SUPPLY: +15VDC (±5%) @ 150 mA Max
- CONNECTORS: SMA (F) / RFI SOLDER TERMINAL
- SIZE: 1.35" (L) X 1.98" (W) x 1.04" (H)
- FINISH: PAINTED GRAY
- WEIGHT: 3.7 OUNCES Max

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -20°C TO +71°C (OPERATING)
  -62°C TO +85°C (STORAGE)
- **HUMIDITY:** MIL-STD-202F, METHOD 103B COND. B
- **SHOCK:** MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION:** MIL-STD-202F, METHOD 204D COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202F, 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 INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT = 3.1 OZ

PLANAR MONOLITHICS INDUSTRIES, INC.
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WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN ANG	10/14/13
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE DRO-9D7G-CD-1

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27021351	A1

SCALE N:S SHEET 1 OF 1