

DESCRIPTION

PMI MODEL: PLO-9G-CD-1 IS A PHASE LOCKED OSCILLATOR WHICH OPERATES IN THE FREQUENCY UP TO 9 GHz. SEE FULL SPECIFICATIONS BELOW:

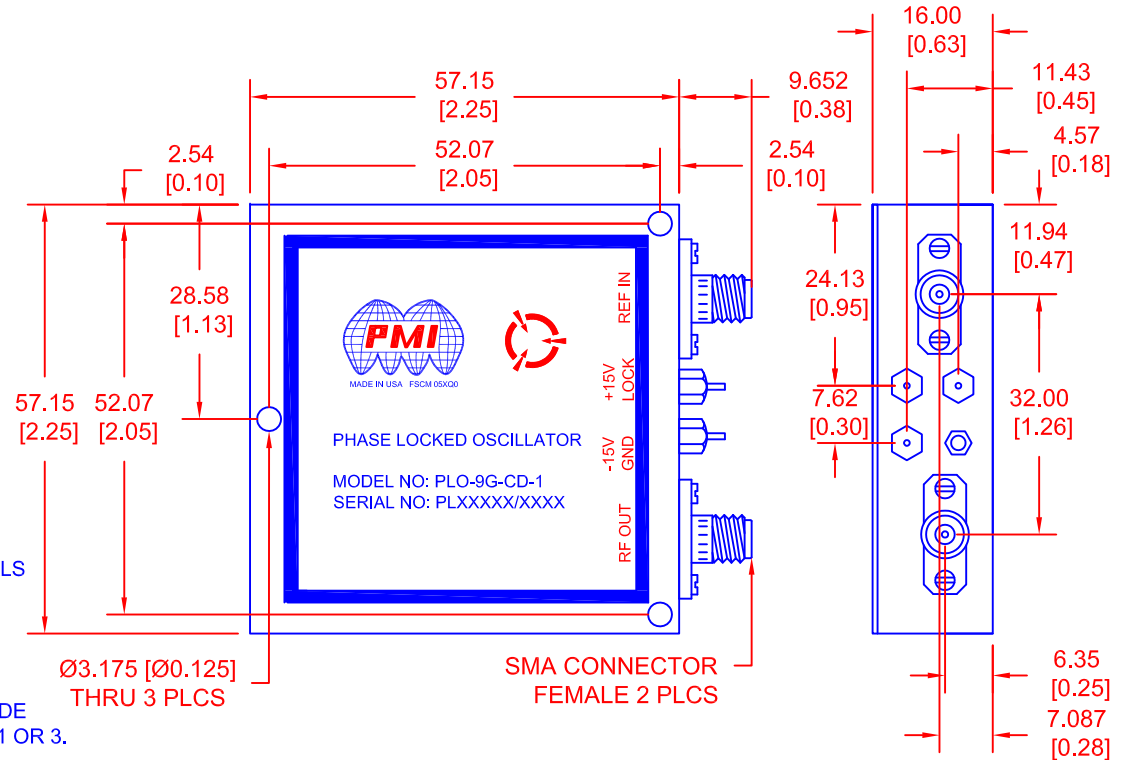
SPECIFICATIONS

- OUTPUT FREQUENCY (fo): ----- 9.0 GHz
- OUTPUT POWER: ----- +25 dBm MAXIMUM
+21 dBm MINIMUM
- REFERENCE (fi): ----- 100 ± 0.01 MHz, 0 ± 3 dBm
- VSWR: ----- 1.5:1 MAXIMUM (ALL PHASES)
- SPURIOUS: ----- -60 dBc MINIMUM
- HARMONICS: ----- -25 dBc MINIMUM
- PHASE NOISE: ----- 20 log(fo/fi)+6 dB TYPICAL @ 10 -100 kHz
-100 dBc/Hz MINIMUM @ 100 kHz
-120 dBc/Hz MINIMUM @ 1 MHz
- LOCK ALARM: ----- TTL "H" : OUT OF LOCK
TTL "L" : LOCK
- PRIMARY POWER: ----- +12 TO +15.5 VDC @ 500 mA MAXIMUM
-12 TO -15.5 VDC @ 100 mA MAXIMUM
- CONNECTORS: ----- RF: SMA FEMALE
POWER/LOCK: EM/RFI SOLDER TERMINALS
- WEIGHT: ----- 280 g (10 oz) MAXIMUM
- SIZE: ----- 57.15 mm x 57.15 mm x 16.00 mm
2.25" x 2.25" x 0.63"
- 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.

ENVIRONMENTAL RATINGS

- TEMPERATURE @ MOUNTING SURFACE: - -15 °C TO +85 °C (OPERATING)
-20 °C TO +85 °C (STORAGE)
- HUMIDITY: ----- MIL-E-5400T 3.2.24.4 100% RH
- SHOCK: ----- MIL-E-5400T 3.2.24.6.1
15G, 11 ± 1 ms, 6 DIRECTION
- VIBRATION: ----- MIL-E-5400T 3.2.24.5 FIGURE 2
(SHEET 1 OF 3, CURVE 3)
- ALTITUDE: ----- 0 TO 30,000 FT

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



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ECN # 15-0120	04/13/16	

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		4/13/16	PRODUCT FEATURE PLO-9G-CD-1		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27022743-PMI
ISSUED			SCALE N:S		REV. A1
				SHEET	1 OF 1