

DESCRIPTION

PMI MODEL: PLO-516.096-CD-1 IS A PHASE LOCKED OSCILLATOR WITH AN OUTPUT FREQUENCY OF 516.096 MHz. THIS MODEL PROVIDES MINIMUM OUTPUT POWER OF +12 dBm WITH ALL SPURS HELD TO -65 dBc. THE 2.25" x 2.25" x 0.62" HOUSING IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- REFERENCE CENTER FREQUENCY: --- 64.512 MHz
- REFERENCE INPUT POWER: ----- 0 ± 2 dBm
- REFERENCE PHASE NOISE: ----- -142 dBc/Hz @ 1 kHz MAXIMUM
-145 dBc/Hz @ 10 kHz MAXIMUM
-155 dBc/Hz @ 100 kHz MAXIMUM
- RF OUT CENTER FREQUENCY: ----- 516.096 MHz
- OUTPUT POWER: ----- +12 dBm MINIMUM
- SPURIOUS: ----- -65 dBc MAXIMUM
- HARMONICS & SUB-HARMONICS: ----- -30 dBc MAXIMUM
- PHASE NOISE: ----- REFERENCE DEGRADATION
20 Log N + 3 dB, dBc/Hz
N = 8
- LOCK INDICATOR: ----- TTL 1 BIT
LOCKED: "1"
UNLOCKED: "0"
- POWER SUPPLY: ----- +5.5 ± 0.25 V @ 400 mA MAXIMUM
+15 ± 0.5 V @ 50 mA MAXIMUM
- CONNECTORS: ----- RF: SMA FEMALE REMOVABLE
DC & LD: SOLDER IN FEEDTHRU
- SIZE: ----- 2.25" x 2.25" x 0.62" MAXIMUM
57.15 mm x 57.15 mm x 15.75 mm MAXIMUM
- FINISH: ----- NICKEL PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
- VIBRATION: ----- 6 G_{rms}, 20 - 2000 Hz, 3 Axes, 10 Minutes

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

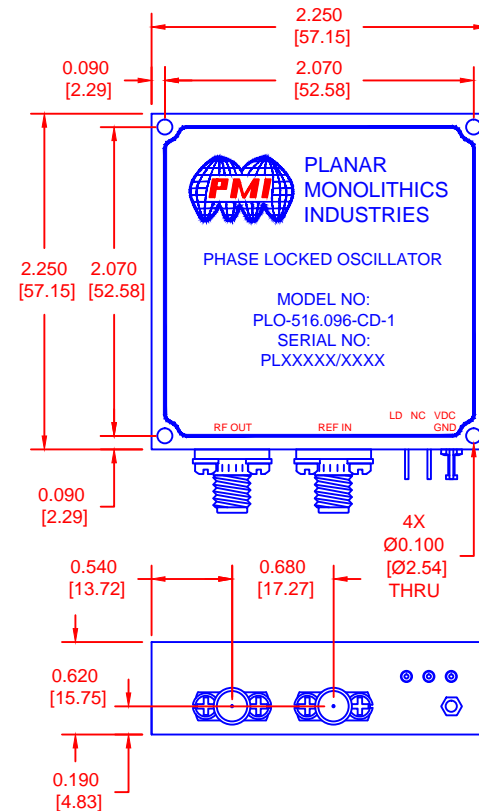
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/16/16	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		09/16/16	PRODUCT FEATURE PLO-516.096-CD-1		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S	SHEET 1 OF 1	REV. -