

DESCRIPTION

PMI MODEL PXO-100M-CD-1 IS A SINEWAVE CRYSTAL CONTROLLED OSCILLATOR WITH COAXIAL OUTPUT CONNECTOR

SPECIFICATIONS

- FREQUENCY RANGE: 100 MHz
- OUTPUT POWER: +7 dBm min.
+13 dBm max.
over temp.
- SUB-HARMONIC FREQUENCY: T.B.D. MHz
- HARMONIC & SUB-HARMONIC OUTPUT LEVEL: -40 dBc max.
- OTHER SPURIOUS LEVEL: -60 dBc max. (10MHz to 500MHz)
- SSB PHASE NOISE: -125 dBc/Hz max. at 1KHz
- FREQUENCY ACCURACY: INITIAL SETTING: ± 10 ppm max.
at 25 degrees C
TEMPERATURE: ± 50 ppm max.
over temperature
AGING RATE: ± 5 ppm/first year
 ± 3 ppm/year thereafter
- D.C. POWER: +15V $\pm 5\%$ 40mA max.
- SIZE: (L) 2.00" X (W) 2.00" X (H) 0.75"
- 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

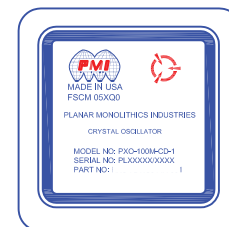
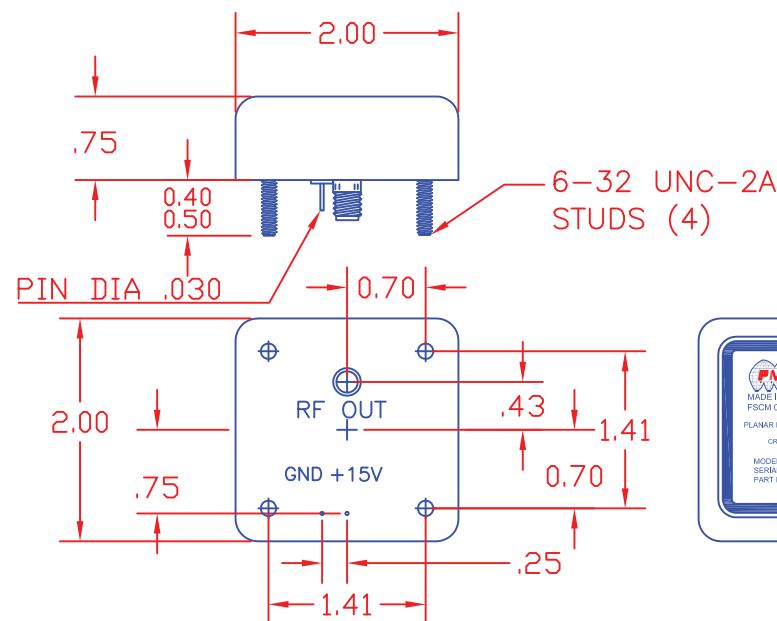
- TEMPERATURE: -54 TO +85 DEGREE C (OPERATING)
-62 TO +85 DEGREE C (STORAGE)
- HUMIDITY: MIL-E-5400T 3.2.24.4
95% RH FOR 240 HOURS AT +60 DEGREES C
- VIBRATION: MIL-E-5400T 3.2.24.5 FIGURE 2
(sheet 1 of 3) CURVE 3
- SHOCK: MIL-E-5400T 3.2.24.6.1
15Gx11ms. 3 TIMES x 6 DIRECTIONS
- ALTITUDE: N/A

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

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	1	ORIGINAL RELEASE	06/03/14

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		06/03/14		PRODUCT FEATURE			
CHECKED				PXO-100M-CD-1			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27022763	1
				SCALE	N:S	SHEET	1 OF 1