

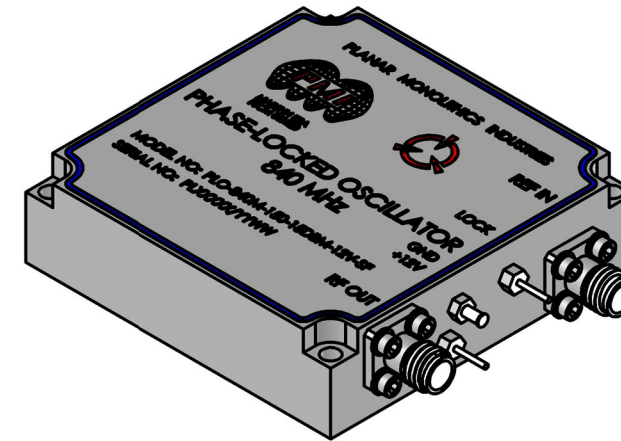
DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PLO-840M-150-15DBM-12V-SF IS AN 840 MHz OSCILLATOR. THIS MODEL IS OFFERED IN A SLIM LINE HOUSING MEASURING ONLY 0.6" HEIGHT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/25/2018	
	A2	ECN # 23-0021	1/24/2023	

SPECIFICATIONS:

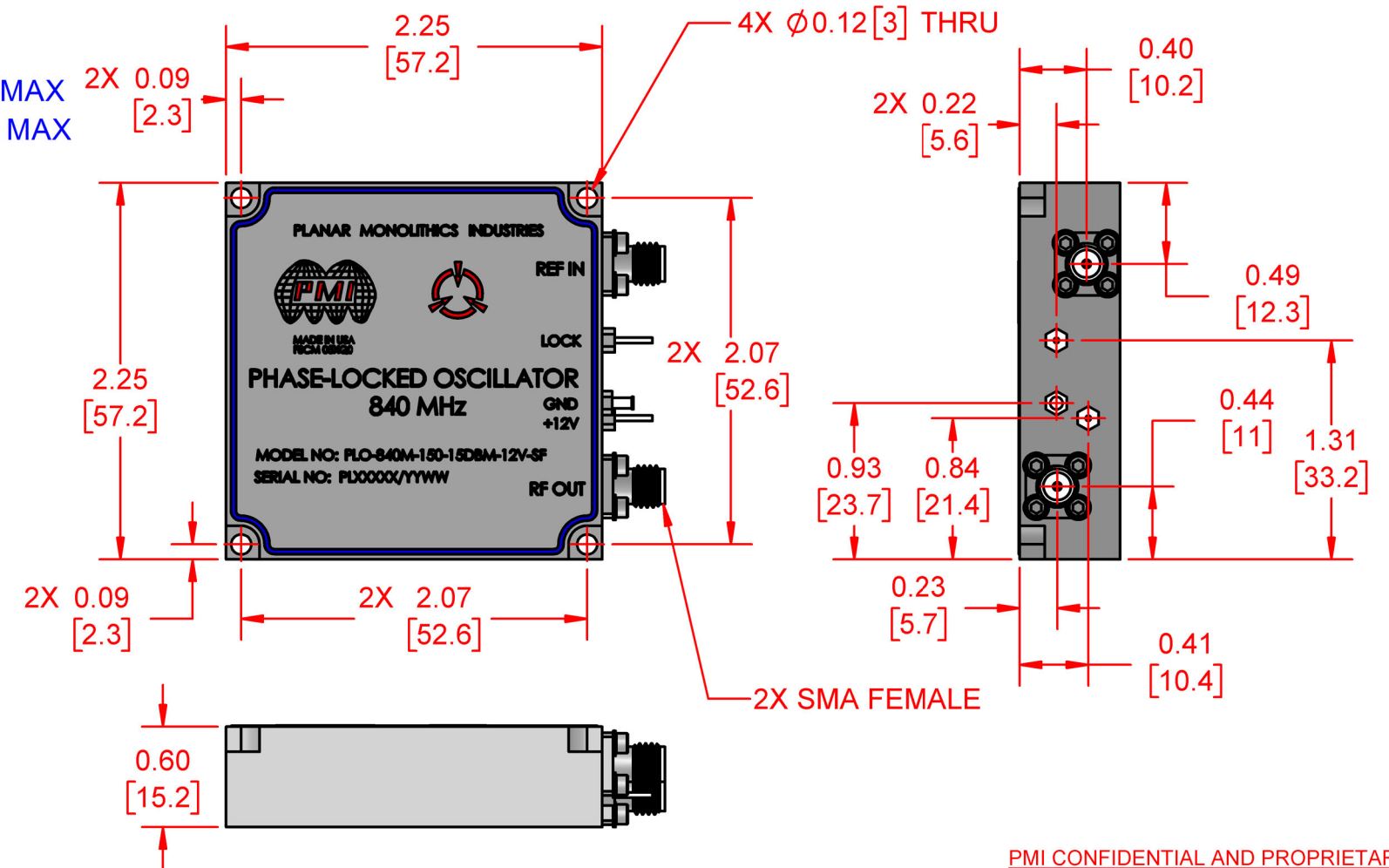
- FREQUENCY:..... 840 MHz
- STABILITY:..... SAME AS REFERENCE
- REFERENCE:..... 10 MHz +3dBm, +/- 3 dB
- REF. INPUT IMPED.:..... 50 OHMS
- REF. PHASE NOISE:..... <-140 dBc/Hz @ 1 KHz
<-150 dBc/Hz @ 10 KHz
- OUTPUT POWER:..... +15 dBm +/- 2.5 dB, 50 OHMS
- HARMONICS:..... <-25 dBc
- SUB HARMONICS:..... <-60 dBC
- SPURS:..... <-80 dBc
- PHASE NOISE:..... <-125 dBc/Hz @ 10 KHz TYP, <-120 dBc/Hz MAX
<-145 dBc/Hz @ 100 KHz TYP, <-140 dBc/hZ MAX
- VCC:..... +12V +/- 0.5V @ 300 mA TYP, 380 mA MAX
- LOCK DETECT:..... 3.3V TTL, HIGH = LOCK
- CONNECTORS:..... 2 SMA FEMALE
- SIZE:..... 2.25" X 2.25" X 0.60"
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:


- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202G, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202G, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



NOTE: CHANGES TO DRAWING OR SPECIFICATIONS MUST BE APPROVED BY END USER.

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	 PLANAR MONOLITHICS INDUSTRIES, INC. 7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-862-5019; FAX: (301)-862-1731 WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com ISO 9001 CERTIFIED	
DRAWN M. HANKEN		9/25/2018	TITLE OUTLINE	
REISSUED			PLO-840M-150-15DBM-12V-SF	
SIZE B	FSCM NO. 05XQ0	DWG NO. 27035760	REV. A2	
SCALE 1:1			SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.02 ±
± .XXX ± 0.01