

DESCRIPTION

PMI MODEL PLO-17R52-CD-1 IS A PHASE LOCKED RESONATOR OSCILLATOR WITH AN OUTPUT FREQUENCY OF 17.52 GHz AND AN OUTPUT POWER OF +15 dBm. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- OUTPUT FREQUENCY RANGE: ----- 17.52 GHz
- OUTPUT POWER: ----- +15 dBm (TYPE)
- POWER VARIATION: ----- ± 2 dBm
- OUTPUT IMPEDANCE: ----- 50 OHMS
- LOAD VSWR: ----- 1.5:1
- SUPPLY VOLTAGE: ----- +12 TO +15 VDC
- CURRENT (TYPE): ----- 280 mA
- SPURIOUS: ----- -80 dBc
- HARMONICS: ----- -20 dBc
- PHASE NOISE: ----- SEE TABLE
- ALARM: ----- TTL HIGH IN LOCK
- EXTERNAL REFERENCE FREQUENCY: - 50 TO 300 MHz
- INPUT POWER LEVEL: ----- 0 dBm \pm 3 dBm
- FREQUENCY STABILITY: ----- SAME AS REFERENCE
- CONNECTORS: ----- SMA FEMALE

FREQUENCY OFFSET FROM CARRIER (@Hz)	PHASE NOISE (dBc/Hz) @ 5 GHz	PHASE NOISE (dBc/Hz) @ 10 GHz	PHASE NOISE (dBc/Hz) @ 14 GHz	PHASE NOISE (dBc/Hz) @ 25.4 GHz
TYPICAL PHASE NOISE FOR EXTERNAL REFERENCE				
100	-96	-90	-87	-75
1K	-119	-113	-110	-98
10K	-125	-120	-114	-104
100K	-128	-123	-119	-107
1M	-135	-128	-130	-118
10M	-145	-140	-140	-135

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +80 °C (OPERATING)
----- -65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

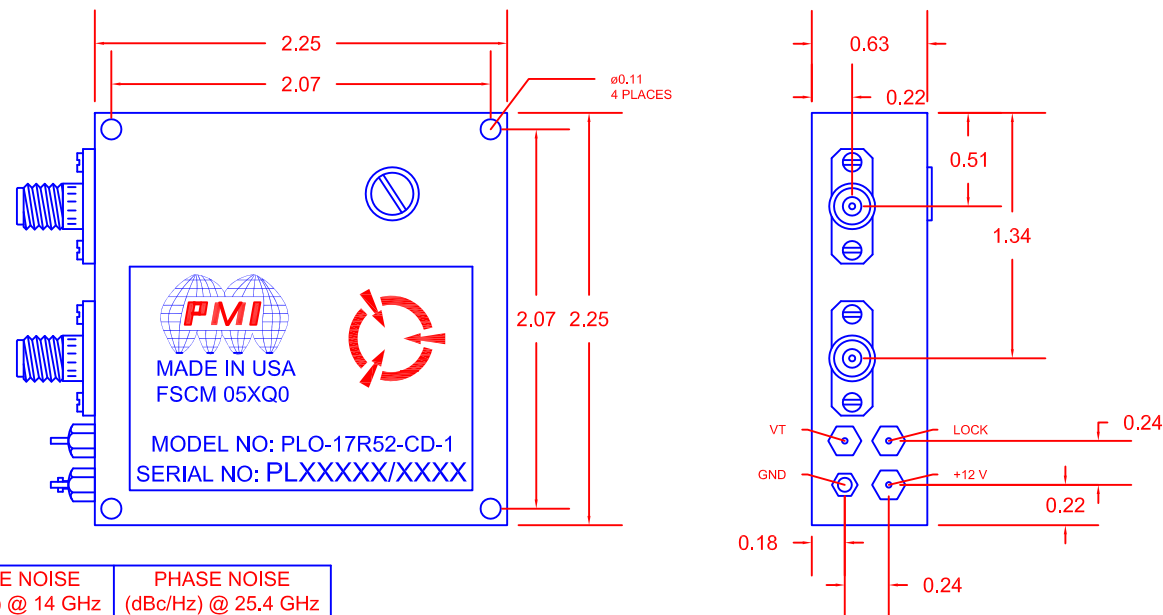
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/30/2019	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		8/30/19	PRODUCT FEATURE PLO-17R52-CD-1			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		