

DESCRIPTION

MODEL NUMBER PEC1-17-1575D42-1-15-SFF IS A 1575.42 MHz LOW NOISE AMPLIFIER. THIS AMPLIFIER HAS A MINIMUM GAIN OF 17 dB WITH ± 1.0 dB OF FLATNESS, OP1dB OF 17 dBm MINIMUM, AND A NOISE FIGURE OF 1 dB MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 1575.42 MHz
- GAIN: _____ 17dB MINIMUM
- GAIN FLATNESS: _____ ± 1.0 dB MAXIMUM
- NOISE FIGURE: _____ 0.8dB GOAL, 1dB MAXIMUM
- OP1dB: _____ 17dBm MINIMUM
- INPUT POWER: _____ 30dBm CW TYPICAL
50dBm PEAK, 1us PW, 1% DC
- VSWR (IN/OUT): _____ 2.0:1 MAXIMUM
- CONNECTORS: _____ SMA (F) REMOVABLE
- DC SUPPLY: _____ +12 TO +15VDC @ 125mA MAXIMUM
- SIZE _____ (L) 1.00" X (W) 1.00" X (H) 0.28"
EXCLUDING CONNECTORS
- FINISH _____ GOLD PLATED

ENVIRONMENTAL RATINGS

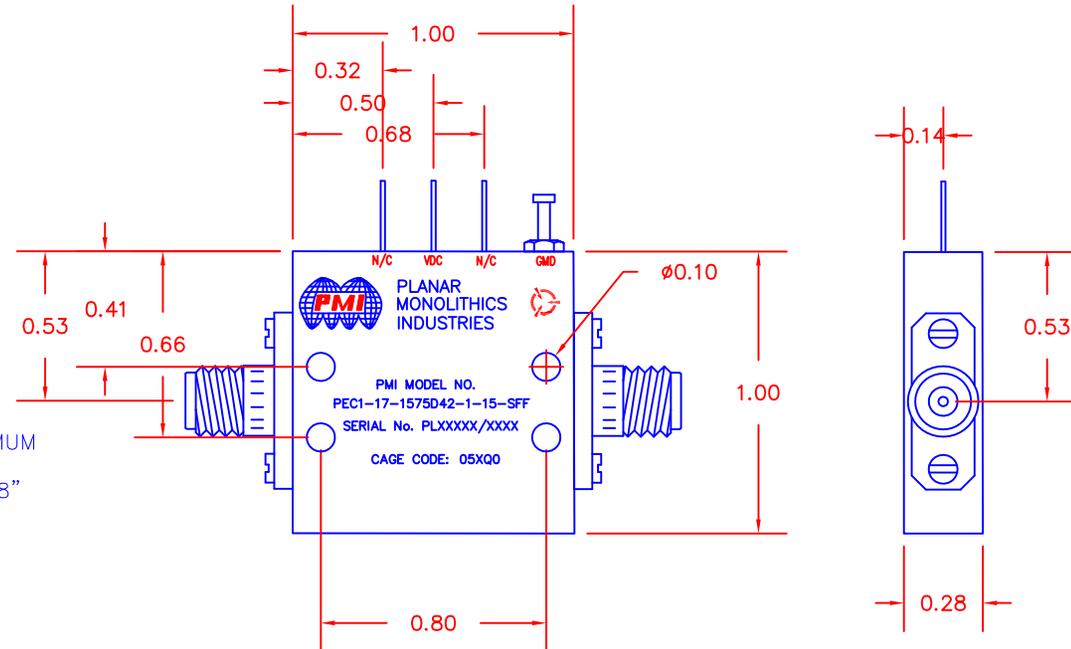
- TEMPERATURE: _____ -20°C TO + 70°C (OPERATING); -55 TO +85 DEG C AVAILABLE
-65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/2/18	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		2/2/18	PRODUCT FEATURE			
CHECKED			PEC1-17-1575D42-1-15-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1