

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

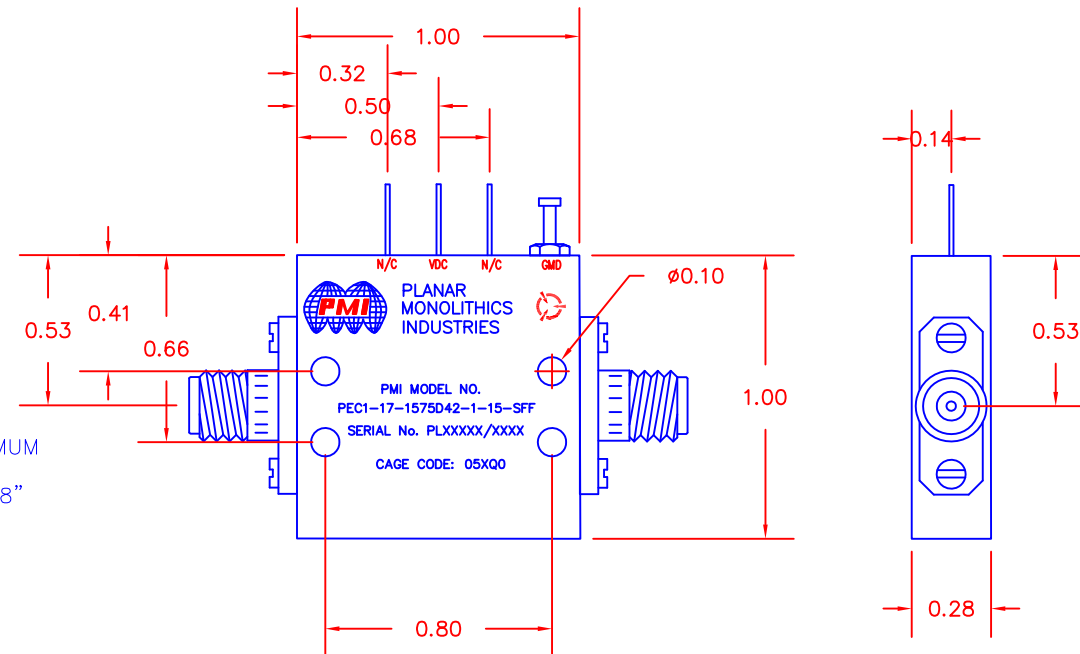
- TEMPERATURE: -20°C TO + 70°C (OPERATING); -55 TO +85 DEG C AVAILABLE
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



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