

DESCRIPTION

LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS

- FREQUENCY RANGE: 16.0 to 17.0 GHz
- GAIN: 30 dB TYPICAL
- GAIN FLATNESS: ± 0.5 dB MAXIMUM
- NOISE FIGURE: 3.75 dB TYPICAL
- OP1dB: 20 dBm MINIMUM
- VSWR (IN/OUT): 2.0:1 MAXIMUM
- CONNECTORS: SMA (F) REMOVABLE
- DC SUPPLY: +12 TO +15 VDC @ 320 mA MAXIMUM
- SIZE (L) 1.08" X (W) 0.71" X (H) 0.29"
EXCLUDING CONNECTORS
- FINISH GOLD PLATED

ENVIRONMENTAL RATINGS

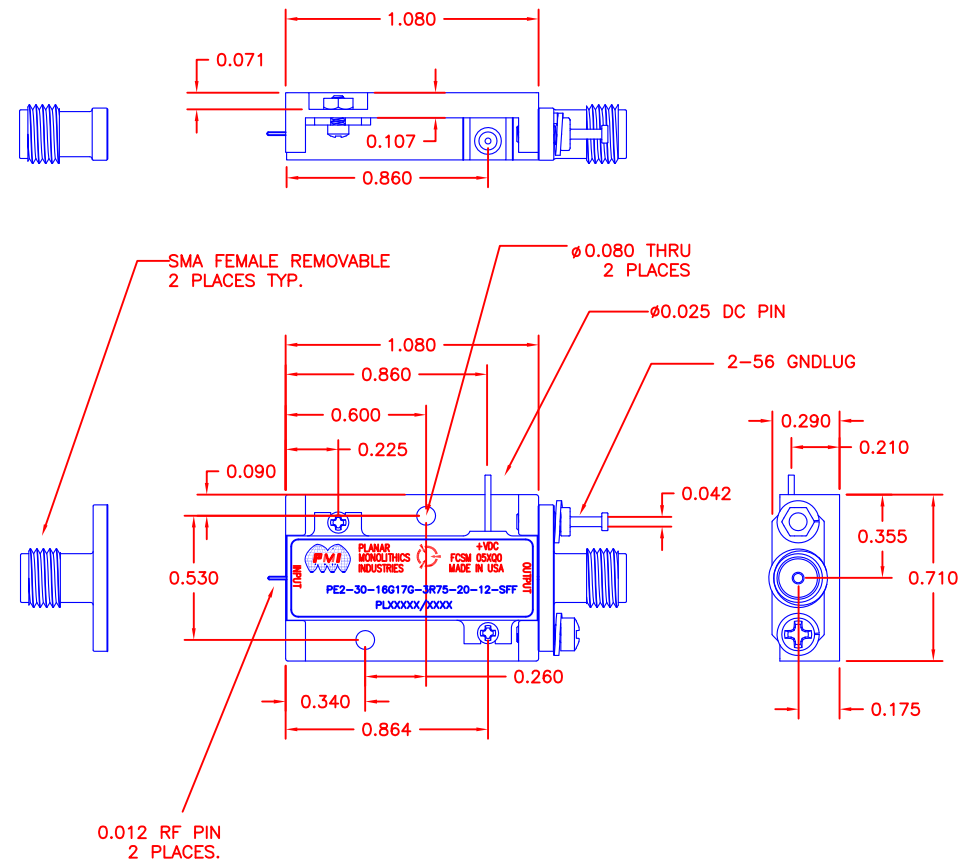
- TEMPERATURE: -40 °C TO + 85 °C (OPERATING)
-40 °C TO +100 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D 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
	—	PRELIMINARY	02/10/16

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 PE2-30-16G17G-3R75-20-12-SFF			
APPROVALS	DATE				
DRAWN <i>EMF</i>	02/22/16				
CHECKED		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV —
ISSUED		SCALE N:S		SHEET 1	OF 1