

## 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: \_\_\_\_\_ 0.25 TO 18.0 GHz
- GAIN: \_\_\_\_\_ 45 dB TYPICAL
- GAIN FLATNESS: \_\_\_\_\_  $\pm 1.75$  dB MAXIMUM
- NOISE FIGURE: \_\_\_\_\_ 5.0 dB TYPICAL
- OP1dB: \_\_\_\_\_ 15 dBm MINIMUM
- VSWR (IN/OUT): \_\_\_\_\_ 2.0:1 MAXIMUM
- CONNECTORS: \_\_\_\_\_ SMA (F) REMOVABLE
- DC SUPPLY: \_\_\_\_\_ +12 TO +15 VDC @ 200 mA MAXIMUM
- SIZE \_\_\_\_\_ (L) 1.08" X (W) 0.71" X (H) 0.29"  
\*EXCLUDING CONNECTORS\*
- FINISH \_\_\_\_\_ GOLD PLATED

## ENVIRONMENTAL RATINGS

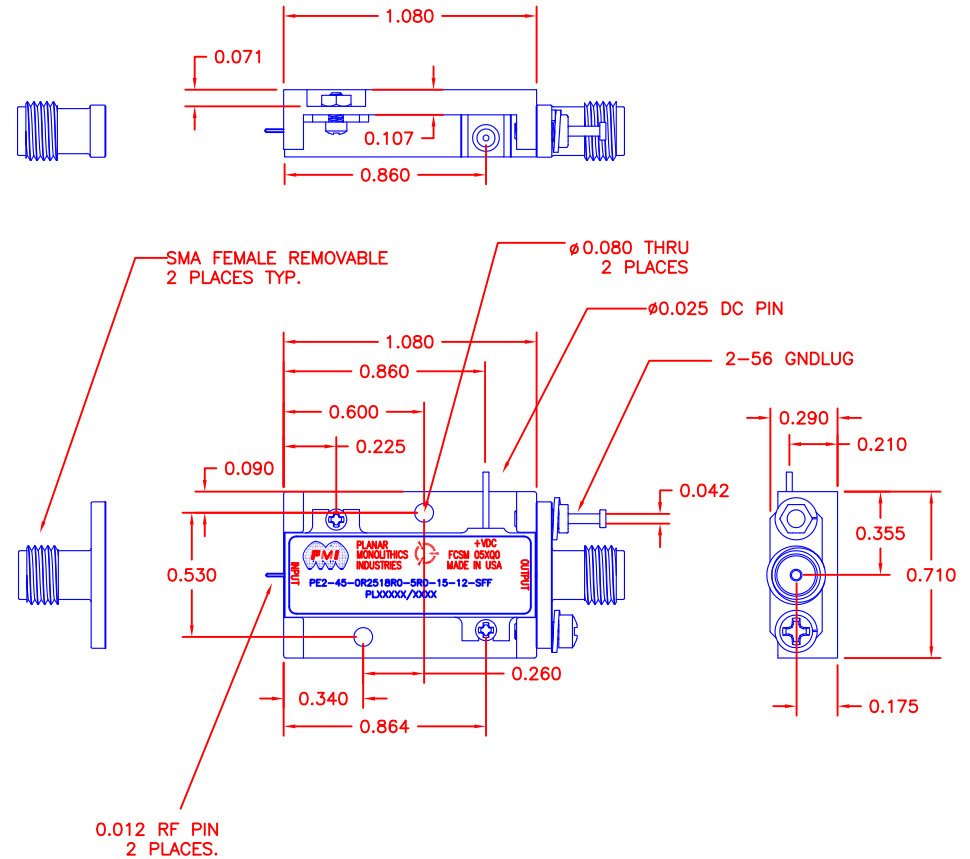
- TEMPERATURE: \_\_\_\_\_ -40 °C TO + 85°C (OPERATING)  
-40 °C TO +100 °C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: \_\_\_\_\_ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C 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  $\pm 0.020$   
X.XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	02/22/16	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>EMF</i>		02/22/16	PRODUCT FEATURE		
CHECKED			PE2-45-OR2518R0-5R0-15-12-SFF		
ISSUED			SIZE	FCSM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1