

## 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: \_\_\_\_\_ 9.0 to 10.0 GHZ
- GAIN: \_\_\_\_\_ 30 dB TYPICAL
- GAIN FLATNESS: \_\_\_\_\_  $\pm 0.5$ dB MAXIMUM
- NOISE FIGURE: \_\_\_\_\_ 1.0 dB TYPICAL
- OP1dB: \_\_\_\_\_ 20dBm MINIMUM
- VSWR (IN/OUT): \_\_\_\_\_ 2.0:1 MAXIMUM
- CONNECTORS: \_\_\_\_\_ SMA (F) REMOVABLE
- DC SUPPLY: \_\_\_\_\_ +12 TO +15VDC @ 25mA MAXIMUM
- SIZE \_\_\_\_\_ (L) 1.08" X (W) 0.71" X (H) 0.29"  
\*EXCLUDING CONNECTORS\*
- FINISH \_\_\_\_\_ GOLD PLATED

## FEATURES

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- STANDARD OPERATING TEMPERATURE  
-20 TO +70 DEG. C

## AVAILABLE OPTIONS

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

## ENVIRONMENTAL RATINGS

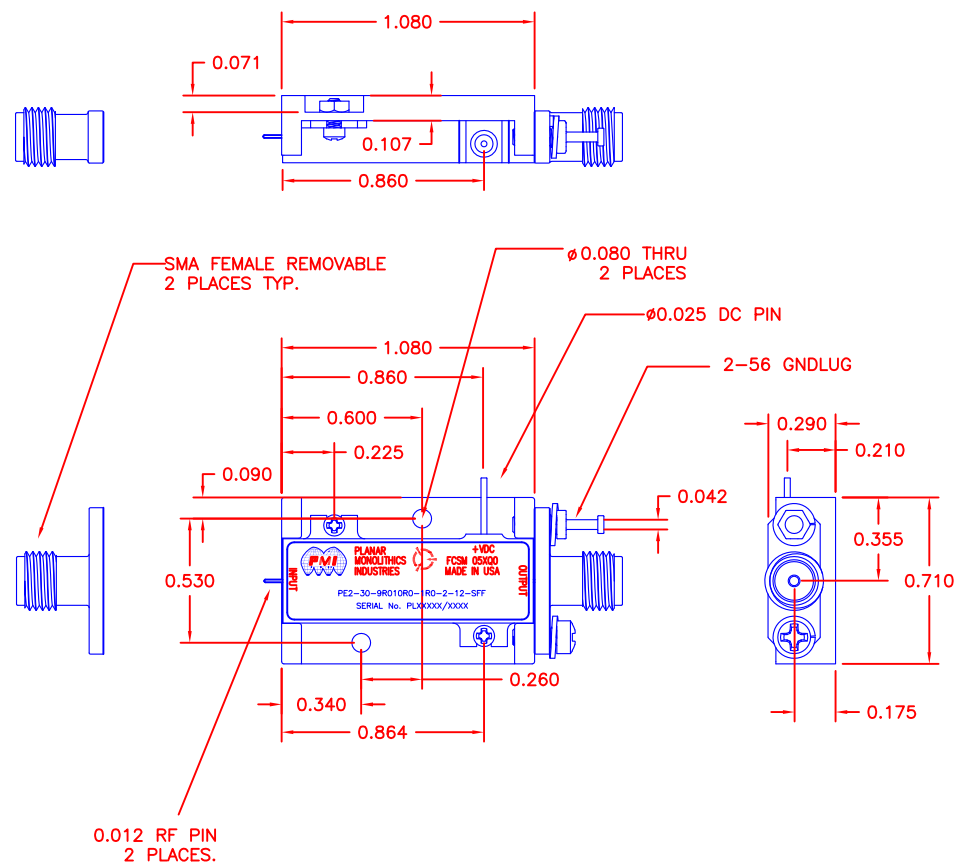
- TEMPERATURE: \_\_\_\_\_ -40 °C TO + 85 °C (OPERATING)  
-40 °C TO +100 °C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: \_\_\_\_\_ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C 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
	—	PRELIMINARY	08/07/15

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		08/07/15		PRODUCT FEATURE			
CHECKED				PE2-30-9R010R0-1R0-2-12-SFF			
ISSUED				PRELIMINARY			
SCALE		N:S		SIZE		REV.	
				A		1	
				FSCM NO.		DWG NO.	
				05XQ0			
				SHEET		1 OF 1	