

## 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: \_\_\_\_\_ 1.0 TO 20.0 GHz
- GAIN: \_\_\_\_\_ 22 dB TYP
- GAIN FLATNESS: \_\_\_\_\_  $\pm 3.0$  dB TYP
- NOISE FIGURE: \_\_\_\_\_ 5.0 dB MAX
- OP1dB: \_\_\_\_\_ +10 dBm MIN
- VSWR (IN/OUT): \_\_\_\_\_ 2.0:1 MAX
- CONNECTORS: \_\_\_\_\_ SMA (F) REMOVABLE
- DC SUPPLY: \_\_\_\_\_ +12 TO +15 VDC @ TBD mA
- SIZE \_\_\_\_\_ (L) 1.08" X (W) 0.71" X (H) 0.29"  
\*EXCLUDING CONNECTORS\*
- FINISH \_\_\_\_\_ GOLD PLATED

## FEATURES

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

## AVAILABLE OPTIONS

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

## ENVIRONMENTAL RATINGS

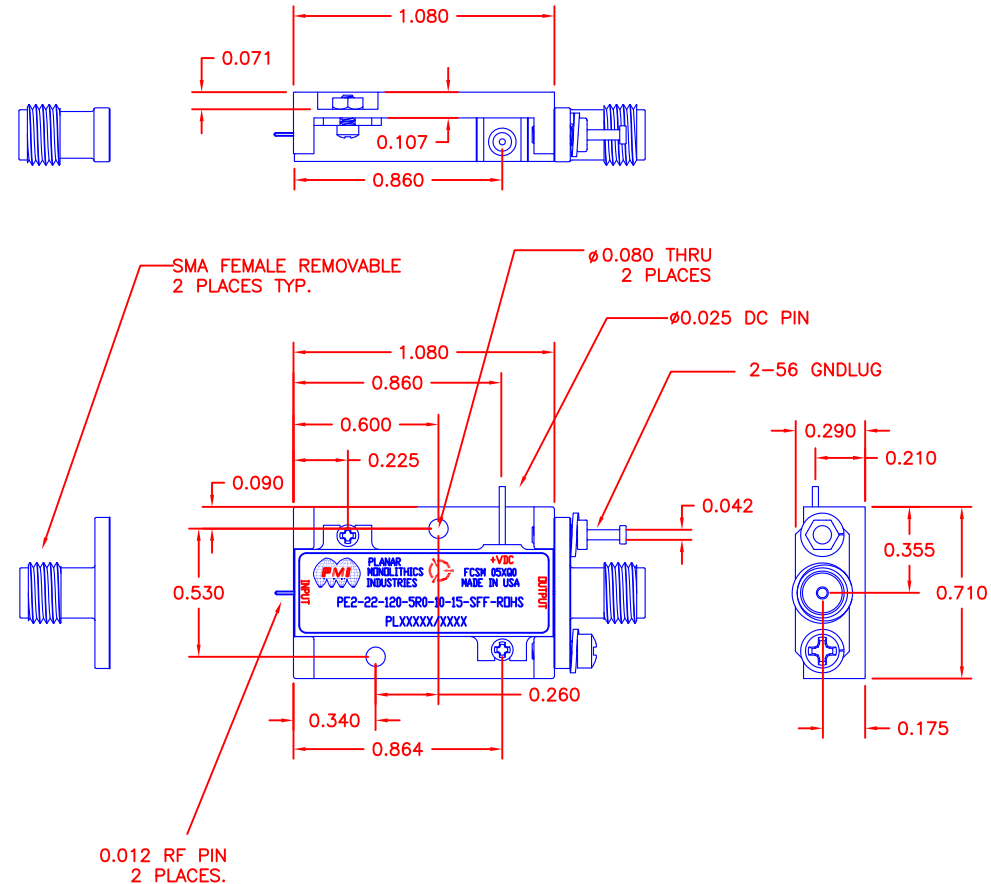
- TEMPERATURE: \_\_\_\_\_ -20 °C TO + 70 °C (OPERATING)  
\_\_\_\_\_ -65 °C TO +125 °C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: \_\_\_\_\_ MIL-STD-202F, 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  $\pm 0.020$   
X.XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	2/12/16	
	A1	ECN # 17-0031	2/24/17	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		2/12/16	PRODUCT FEATURE		
CHECKED			PE2-22-120-5R0-10-15-SFF-ROHS		
ISSUED			SIZE	FCSM NO.	DWG NO.
			A	05XQ0	27028763
			SCALE	N:S	SHEET 1 OF 1
					REV. A1