

## 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: \_\_\_\_\_ 2.0 to 18.0
- GAIN: \_\_\_\_\_ 15dB TYPICAL
- GAIN FLATNESS: \_\_\_\_\_ ±1.5 dB MAXIMUM
- NOISE FIGURE: \_\_\_\_\_ 4.5dB TYPICAL
- OP1dB: \_\_\_\_\_ 20dBm MINIMUM
- VSWR (IN/OUT): \_\_\_\_\_ 2.0:1 MAXIMUM
- CONNECTORS: \_\_\_\_\_ SMA (F) REMOVABLE
- DC SUPPLY: \_\_\_\_\_ +12 TO +15VDC @ 225mA 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

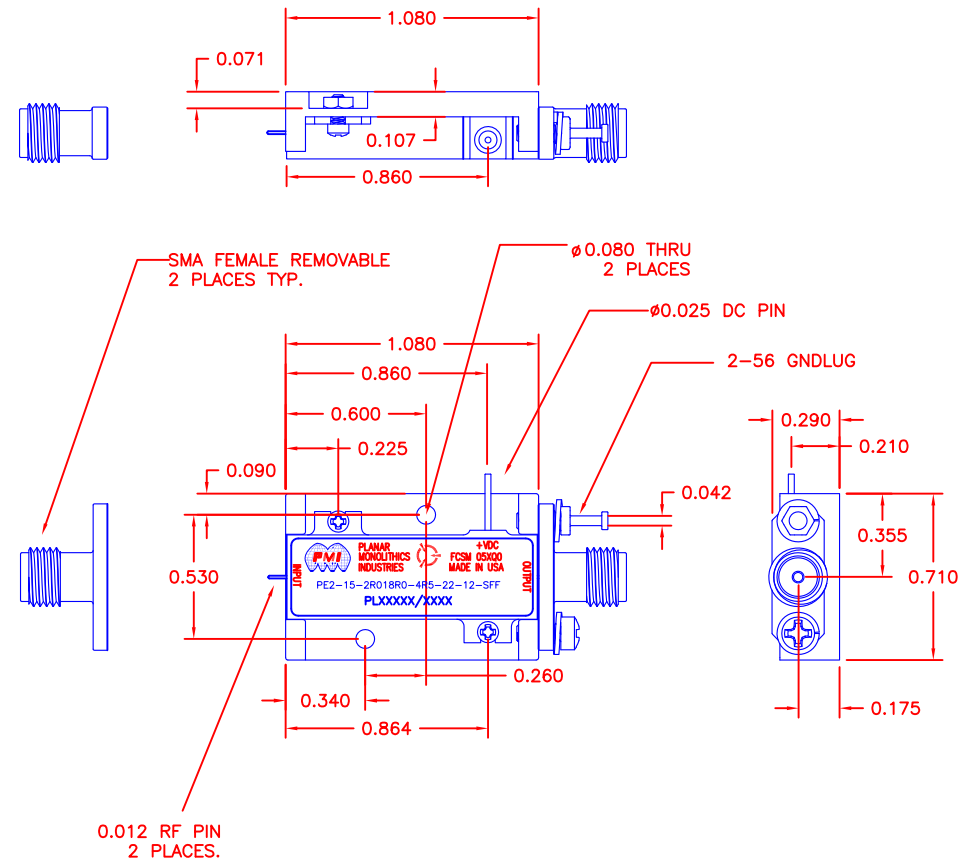
- TEMPERATURE: \_\_\_\_\_ -20°C TO + 70°C (OPERATING); -55 TO +85 DEG C AVAILABLE  
-55°C TO +125°C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: \_\_\_\_\_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

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS |      |             |          |          |
|-----------|------|-------------|----------|----------|
| ZONE      | REV. | DESCRIPTION | DATE     | APPROVED |
|           | -    | PRELIMINARY | 11/18/15 |          |

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



| APPROVALS        |  | DATE     | TITLE                        |                |                     |        |
|------------------|--|----------|------------------------------|----------------|---------------------|--------|
| DRAWN <i>EMF</i> |  | 11/18/15 | PRODUCT FEATURE              |                |                     |        |
| CHECKED          |  |          | PE2-15-2R018R0-4R5-22-12-SFF |                |                     |        |
| ISSUED           |  |          | SIZE A                       | FCSM NO. 05XQ0 | DWG NO. PRELIMINARY | REV. - |
|                  |  |          | SCALE N:S                    | SHEET 1 OF 1   |                     |        |