| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | — | PRELIMINARY | 10/21/16 | |
| | | | | |

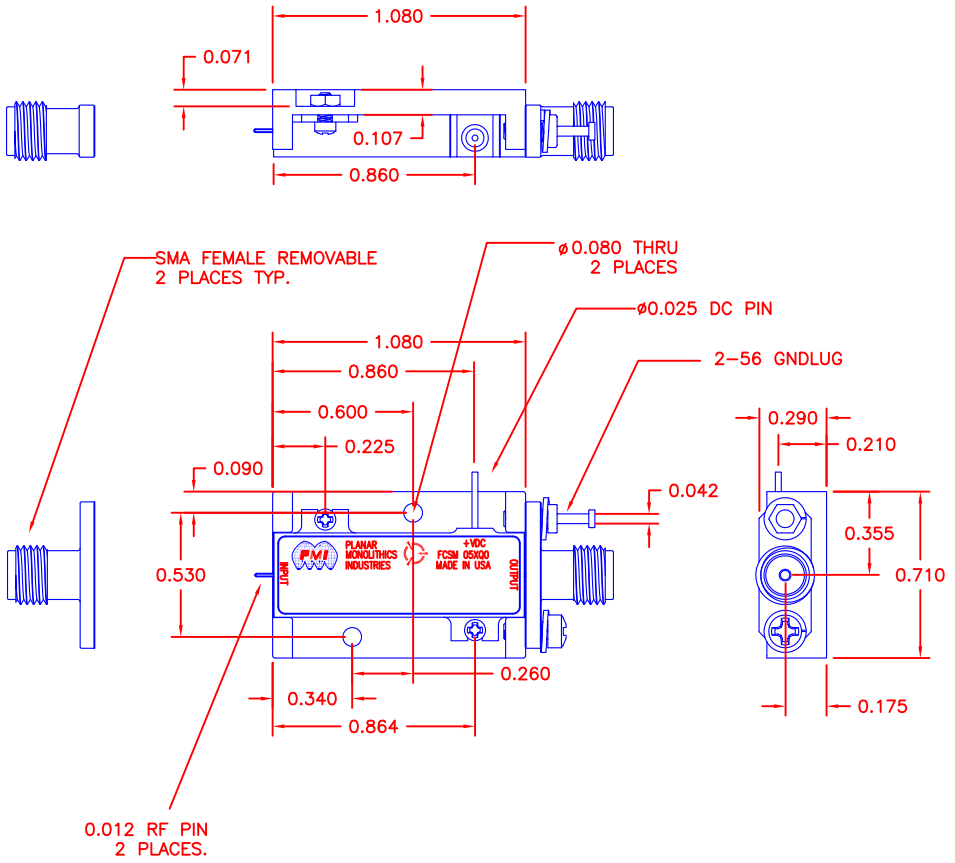
## DESCRIPTION

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: ——— 0.4 to 0.8 GHZ
- GAIN: ——— 16 dB TYPICAL
- GAIN FLATNESS: ——— ±0.5 dB MAXIMUM
- NOISE FIGURE: ——— 3.0 dB TYPICAL
- OP1dB: ——— 14 dBm MINIMUM
- VSWR (IN/OUT): ——— 2.0:1 MAXIMUM
- CONNECTORS: ——— SMA (F) REMOVABLE
- DC SUPPLY: ——— +12 TO +15 VDC @ 150 mA MAXIMUM
- SIZE ——— (L) 1.08" X (W) 0.71" X (H) 0.29"
  *EXCLUDING CONNECTORS*
- FINISH ——— GOLD PLATED

## MECHANICAL OUTLINE




## 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 ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

| APPROVALS | DATE |
|---|---|
| DRAWN EMF | 10/21/16 |
| CHECKED | |
| ISSUED | |

TITLE: PRODUCT FEATURE
PE2−16−0R40R8−3R0−14−12−SFF

| SIZE | FSCM NO. | DWG NO. | REV. |
|---|---|---|---|
| A | 05XQ0 | PRELIMINARY | 1 |

SCALE N:S SHEET 1 OF 1