

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: _____ 16.0 to 17.0 GHz
- GAIN: _____ 15 dB TYPICAL
- GAIN FLATNESS: _____ ± 0.5 dB MAXIMUM
- NOISE FIGURE: _____ 3.75 dB TYPICAL
- OP1dB: _____ 19 dBm MINIMUM
- VSWR (IN/OUT): _____ 2.0:1 MAXIMUM
- CONNECTORS: _____ SMA (F) REMOVABLE
- DC SUPPLY: _____ +12 TO +15 VDC @ 225 mA 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

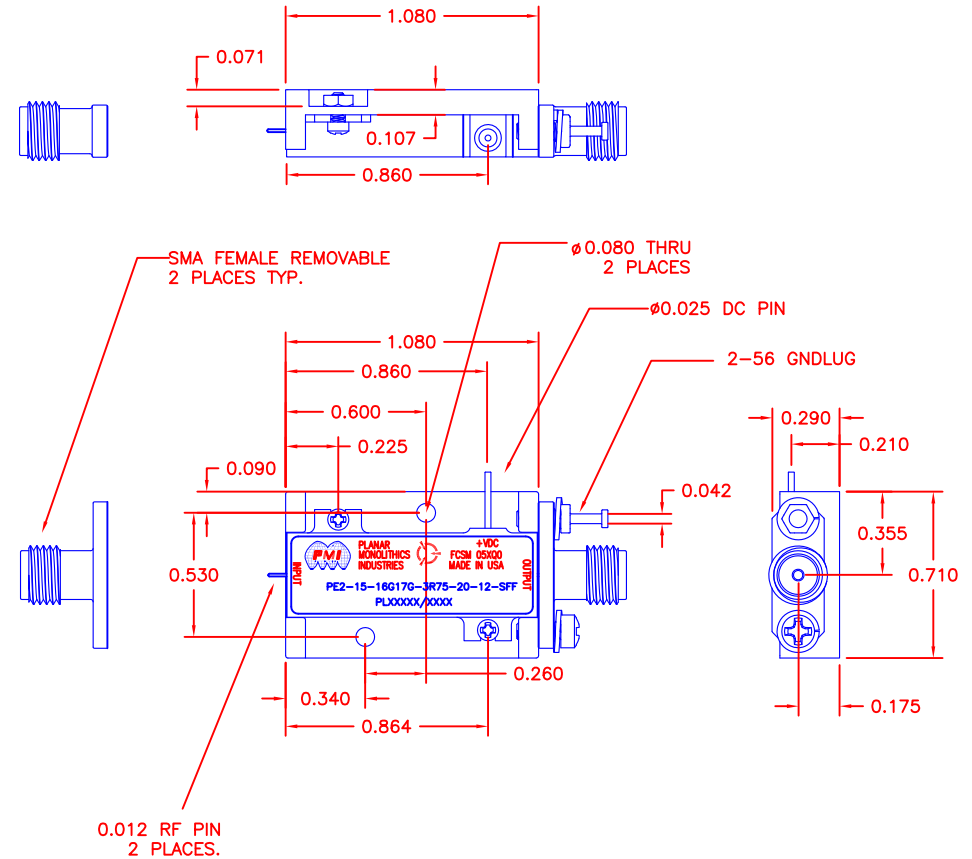
- TEMPERATURE: _____ -20 °C TO + 70 °C (OPERATING); -55 TO +85 °C AVAILABLE
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 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 | 02/10/16 | |

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



| APPROVALS | | DATE | TITLE | | | |
|------------------|--|----------|------------------------------|----------------|---------------------|--------|
| DRAWN <i>EMF</i> | | 02/10/16 | PRODUCT FEATURE | | | |
| CHECKED | | | PE2-15-16G17G-3R75-20-12-SFF | | | |
| ISSUED | | | SIZE A | FSCM NO. 05XQ0 | DWG NO. PRELIMINARY | REV. - |
| | | | SCALE N:S | SHEET 1 OF 1 | | |