

| REVISIONS |      |                  |          |
|-----------|------|------------------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     |
|           |      |                  | APPROVED |
|           | -    | ORIGINAL RELEASE | 9/28/09  |

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housings in a cascade layout that can be used as a 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:

Gain:

Gain Flatness:

Noise Figure:

OP1dB:

VSWR Input/Output:

DC Voltage Supply:

DC Current Draw:
- 2.0 to 12.0 GHz

60dB Typ.

+/-1.25dB Max.

4.0dB Typ.

20dBm Min.

2.0:1 Max.

+12 to +15VDC

430mA Max.

Features:

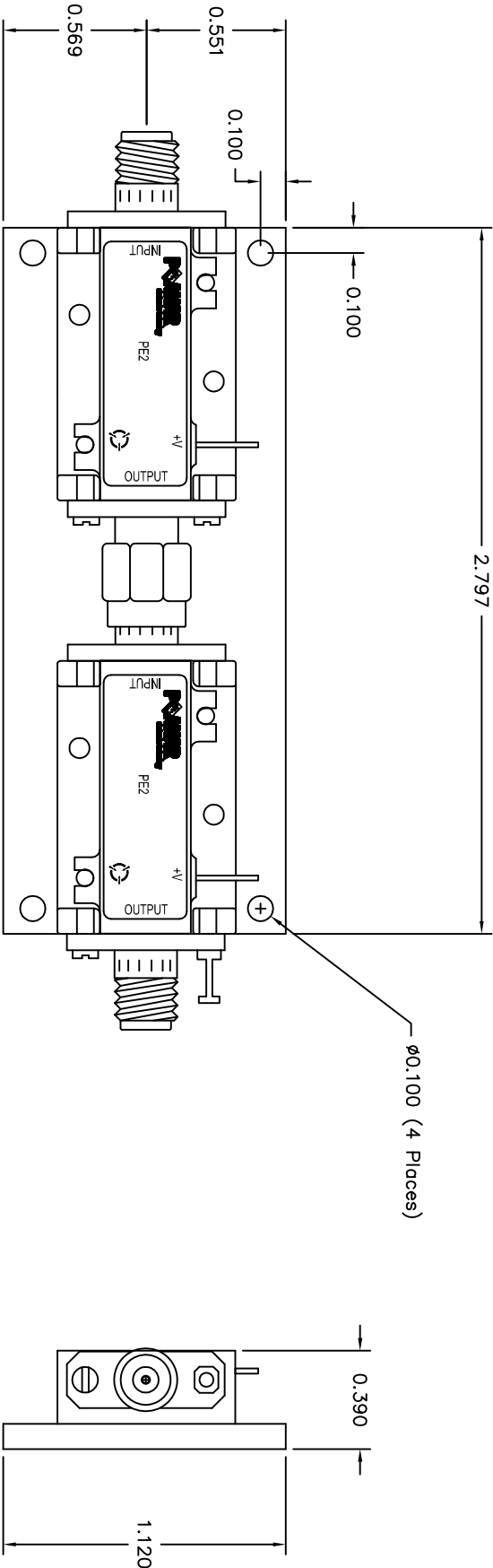
- Internal Voltage Regulation
- Unconditional Stability
- Standard Operating Temperature -20 to +70 Deg. C

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 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available)
- 55 to +125 Deg. 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: The above specifications are subject to change or revision.



| PART NO.          |  | DATE    |  | TITLE                            |  |
|-------------------|--|---------|--|----------------------------------|--|
| APPROVALS         |  | 9/28/09 |  | PRODUCT FEATURE                  |  |
| DRAWN<br>K Wilson |  |         |  | PE2-60-2R012R0-4R0-22-12-SFF-WEB |  |
| CHECKED           |  |         |  | SIZE<br>B 1LK53                  |  |
| ISSUED            |  |         |  | DWG NO.                          |  |
|                   |  |         |  | WEB - MODEL                      |  |
|                   |  |         |  | REV. A                           |  |
|                   |  |         |  | SCALE N/A                        |  |
|                   |  |         |  | SHEET 1 OF 1                     |  |

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES

± ± ±

.XXX ± 0.005

PART NO.

5715 Industry Lane, Unit 11  
FREDERICK, MARYLAND

MATERIAL:

6061-T6 Aluminum

FINISH:

Gold Plate over Nickel

DO NOT SCALE DRAWING