

| 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:
- 7.0 to 8.0 GHz

60dB Typ.

+/-0.75dB Max.

2.5dB Typ.

19dBm Min.

2.0:1 Max.

+12 to +15VDC

425mA Max.

Features:

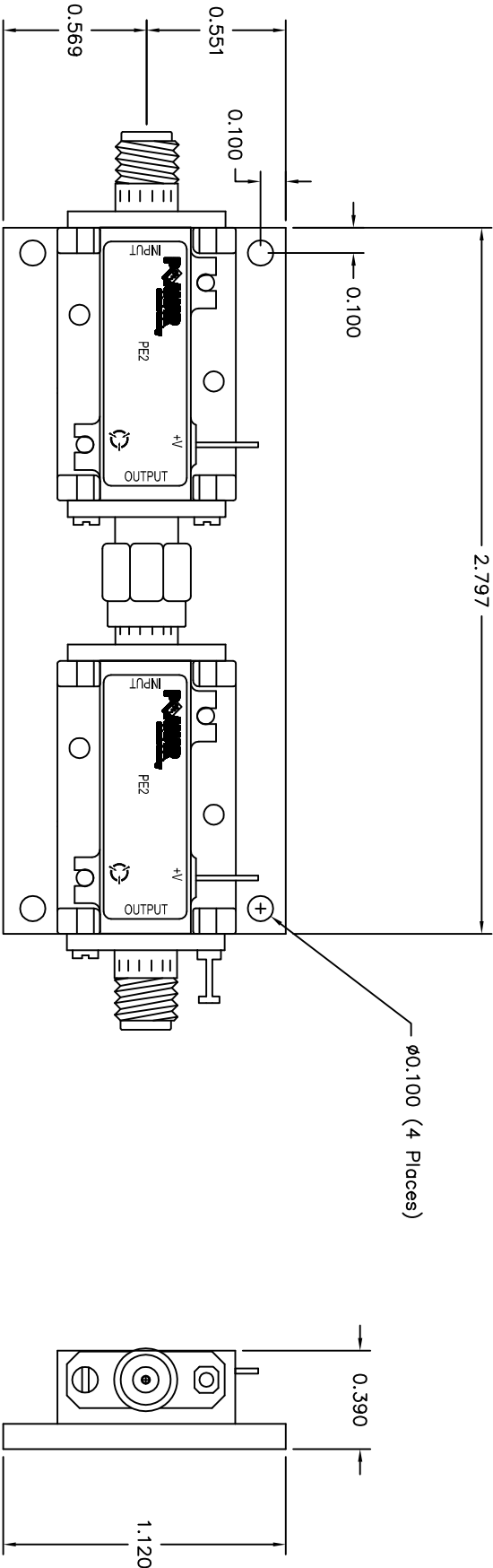
- Internal Voltage Regulation
- Unconditional Stability
- Standard Operating Temperature -20 to +70 Deg. C


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.



| | | | | | | | |
|---|------------------------|-----------|-----------|--------------|---------------------------------|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± .XXX ± 0.005 | PART NO. | | APPROVALS | | DATE | <div> 5715 Industry Lane, Unit 11 FREDERICK, MARYLAND</div> | |
| | | | MATERIAL: | | | | |
| | 6061 - T6 Aluminum | | DRAWN | 9/28/09 | | | |
| | FINISH: | | CHECKED | | | | |
| | Gold Plate over Nickel | | ISSUED | | | | |
| | DO NOT SCALE DRAWING | | | | | | |
| | | | TITLE | | PRODUCT FEATURE | | |
| | | | SIZE | | PE2-60-7R08R0-2RS-21-12-SFF-WEB | | |
| | | | CASE CODE | | DWG NO. | | |
| | | B 1LK53 | | WEB - MODEL | | | |
| | | SCALE N/A | | REV. A | | | |
| | | | | SHEET 1 OF 1 | | | |