

| REVISIONS |      |                  |         |
|-----------|------|------------------|---------|
| ZONE      | REV. | DESCRIPTION      | DATE    |
|           | -    | 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:
- 1.0 to 1.5 GHz  
60dB Typ.  
+/-0.75dB Max.  
5.5dB Typ.  
20dBm Min.  
2.0:1 Max.  
+12 to +15VDC  
475mA Max.

Features:

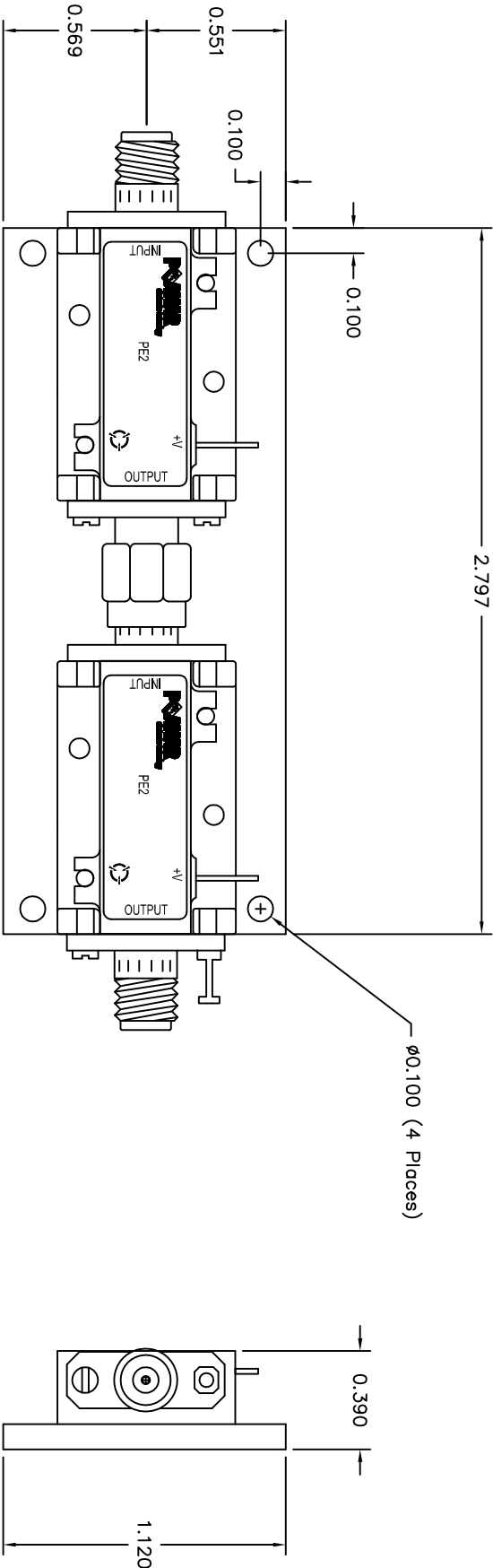
- Internal Voltage Regulation
- Unconditional Stability
- Standard Operating Temperature -20 to +70 Deg. C

Available Options:

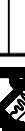
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

- Temperature:  
Humidity:  
Shock:  
Altitude:  
Temperature Cycle:
- 20 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available)  
-55 to +125 Deg. C (Storage)  
MIL-STD-202F, METHOD 103B COND B.  
MIL-STD-202F, METHOD 213B COND B.  
MIL-STD-202F, METHOD 105C COND B.  
MIL-STD-202F, METHOD 107D COND A
- Note: The above specifications are subject to change or revision.



|                                                        |  |                        |  |
|--------------------------------------------------------|--|------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |  | PART NO.               |  |
| TOLERANCES ARE:                                        |  | APPROVALS              |  |
| FRACTIONS                                              |  | DATE                   |  |
| DECIMALS                                               |  | 9/28/09                |  |
| ANGLES                                                 |  | DRAWN                  |  |
| ±                                                      |  | K. Mason               |  |
| .XX ± 0.010                                            |  | CHECKED                |  |
| .XXX ± 0.005                                           |  | ISSUED                 |  |
| MATERIAL:                                              |  | 6061 - T6 Aluminum     |  |
| FINISH:                                                |  | Gold Plate over Nickel |  |
| DO NOT SCALE DRAWING                                   |  |                        |  |

|                                                                                                                                        |  |                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|
|  5715 Industry Lane, Unit 11<br>FREDERICK, MARYLAND |  | TITLE           |  |
| PE2-60-1R01R5-SR5-22-12-SFF-WEB                                                                                                        |  | PRODUCT FEATURE |  |
| SIZE                                                                                                                                   |  | DATE NO.        |  |
| B 1LK53                                                                                                                                |  | WEB - MODEL     |  |
| SCALE N/A                                                                                                                              |  | REV. A          |  |
| SHEET 1 OF 1                                                                                                                           |  |                 |  |