

8      7      6      5      4      3      2      1

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.

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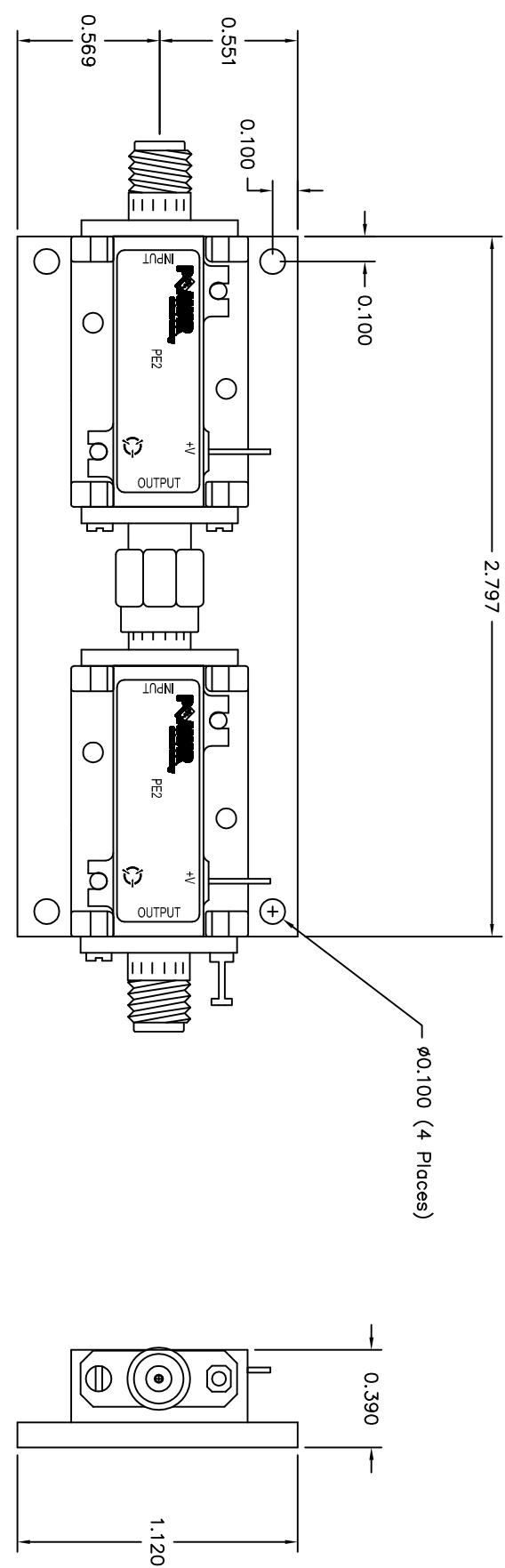
This model provides the following performance. Data is available upon request.

### Specifications:

Frequency Range:	8.0 to 9.0 GHz
Gain:	60dB Typ.
Gain Flatness:	+/-0.75dB Max.
Noise Figure:	2.5dB Typ.
OP1dB:	19dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	425mA Max.

### Features:

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



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### Available Options:

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

C

### Environmental Ratings:

Temperature: -20 to +70 Deg. C (Operating); -55 to +85 Deg C Available

-55 to +125 Deg. C (Storage)

ML-STD-202F, METHOD 103B COND B.

ML-STD-202F, METHOD 213B COND B.

ML-STD-202F, METHOD 105C COND B.

Temperature Cycle: ML-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

TOLERANCES ARE:  
FRACTIONS      DECIMALS      ANGLES

$\pm$  .XX ± 0.010      ± .XX ± 0.005

PART NO.	APPROVALS		DRAWN K. Mason 9/28/09	TITLE PRODUCT FEATURE PE2-60-8R09R0-2R5-21-12-SFF-WEB	DATE 9/28/09	REVISION A
	APPROVED	DATE				
MATERIAL: 6061-T6 Aluminum	APPROVED	DATE	ISSUED	DATE	9/28/09	REVISION A
FINISH: Gold Plate over Nickel	APPROVED	DATE	ISSUED	DATE	9/28/09	REVISION A

DO NOT SCALE DRAWING

A

B

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