

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:

0.25 to 8.0 GHz
- Gain:

60dB Typ.
- Gain Flatness:

+/-1.25dB Max.
- Noise Figure:

4.75dB Typ.
- OP1dB:

13dBm Min.
- VSWR Input/Output:

2.0:1 Max.
- DC Voltage Supply:

+12 to +15VDC
- DC Current Draw:

280mA Max.

Features:

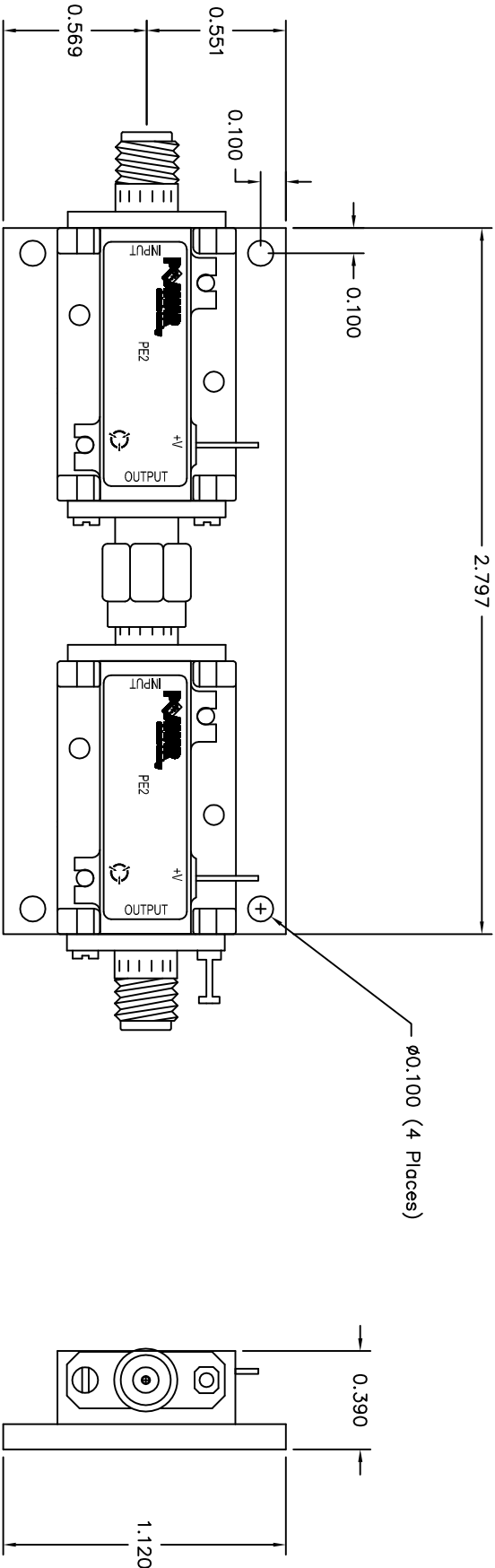
- Internal Voltage Regulation
- Unconditional Stability
- Standard Operating Temperature -20 to +70 Deg. C

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		TIME		DATE		TIME	
APPROVALS		DATE		TIME		DATE		TIME	
DRAWN		9/28/09		K. Mason		9/28/09		K. Mason	
CHECKED									
ISSUED									
MATERIAL:		6061-T6 Aluminum							
FINISH:		Gold Plate over Nickel							
DO NOT SCALE DRAWING									

UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES	
TOLERANCES ARE:		DECIMALS	
FRACTIONS		ANGLES	
±		.XX ± 0.010	
±		.XXX ± 0.005	

5715 Industry Lane, Unit 11		FREDERICK, MARYLAND	
PRODUCT FEATURE		WEB - MODEL	
PE2-60-0R258R0-4R75-15-12-SFF-WEB		REV. A	
SIZE		DWG NO.	
B		1LK53	
SCALE		N/A	
SHEET		1 OF 1	