

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:	14.0 to 15.0 GHz
Gain:	60dB Typ.
Gain Flatness:	+/- .75dB Max.
Noise Figure:	3.5dB Typ.
OP1dB:	19dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	475mA Max.

Features:

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

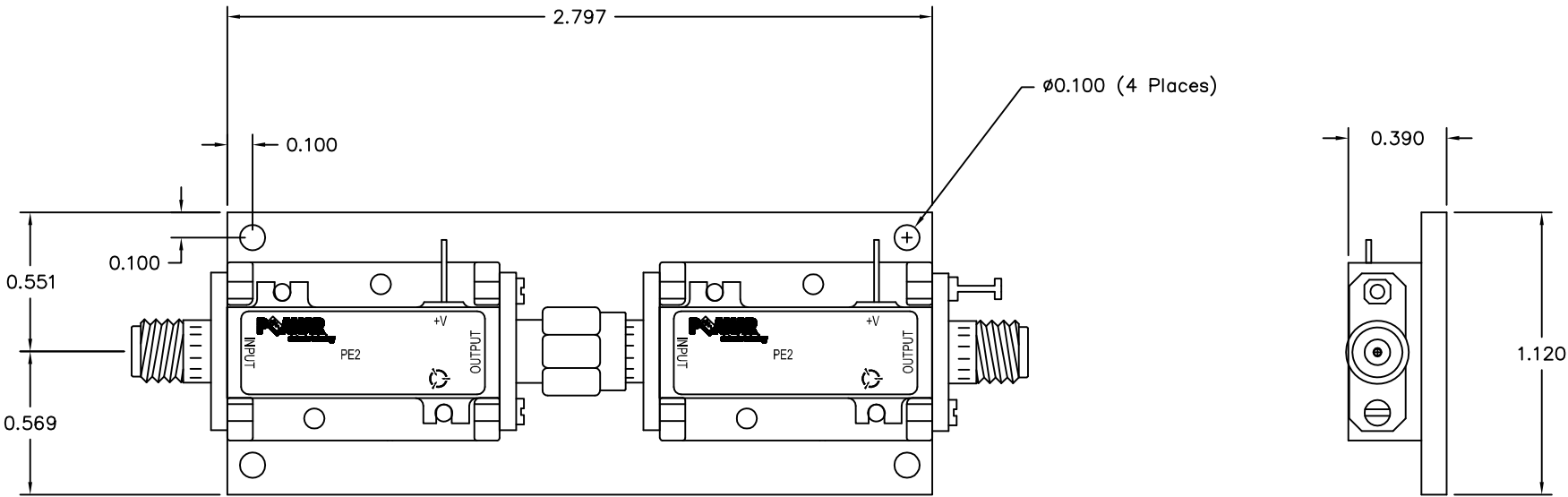
Available Options:

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


Environmental Ratings:

Temperature:	-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.		 5715 Industry Lane, Unit 11 FREDERICK, MARYLAND
	APPROVALS	DATE	
MATERIAL: 6061-T6 Aluminum	DRAWN K Mason	9/28/09	TITLE PRODUCT FEATURE PE2-60-14G15G-3R5-21-12-SFF-WEB
FINISH: Gold Plate over Nickel	CHECKED		
DO NOT SCALE DRAWING	ISSUED		SIZE B
			CAGE CODE 1LK53
			DWG NO. WEB - MODEL
			REV. A
			SCALE N/A
			SHEET 1 OF 1