

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	-	ORIGINAL RELEASE	2/1/08

**Description:**

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing 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:

0.5 to 1.0 GHz
- Gain:

15dB Typ.
- Gain Flatness:

+/-0.5dB Max.
- Noise Figure:

5.0dB Typ.
- OP1dB:

21dBm Min.
- VSWR Input/Output:

2.0:1 Max.
- DC Voltage Supply:

+12 to +15VDC
- DC Current Draw:

225mA 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)
- Humidity:

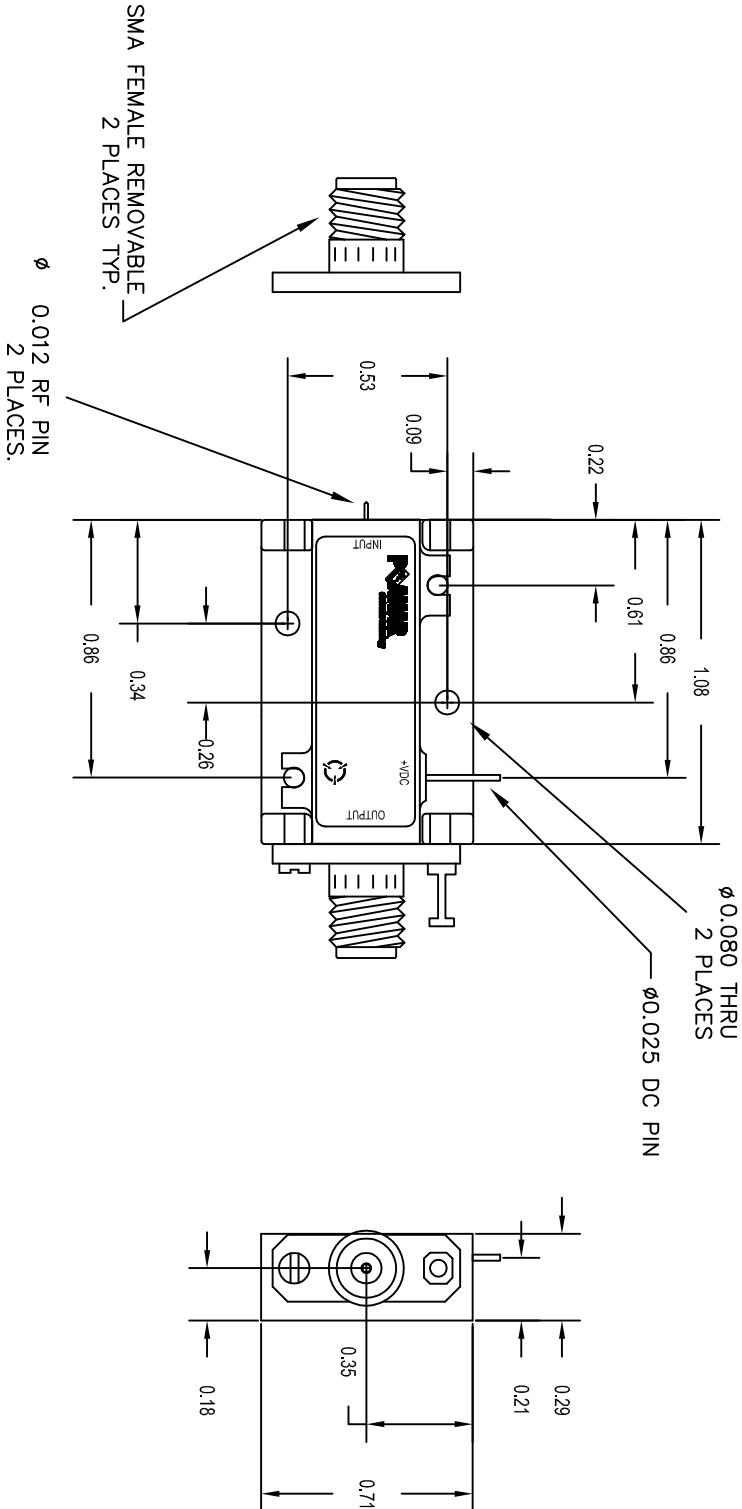
MIL-STD-202F, METHOD 103B COND B.
- Shock:

MIL-STD-202F, METHOD 213B COND B.
- Altitude:

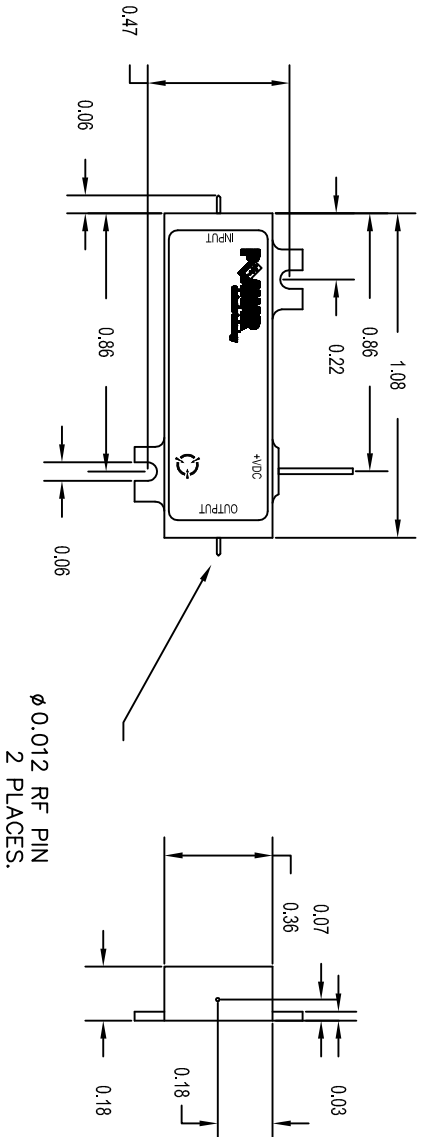
MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle:

MIL-STD-202F, METHOD 107D COND A
- Note: The above specifications are subject to change or revision.

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PART NO.		DATE		TIME		SCALE	
APPROVALS		2/21/08		PRODUCT FEATURE		WEB - MODEL	
MATERIAL:		DRAWN		PE2-15-0RS1R0-SR0-21-12-SFF-WEB		REV.	
6061-T6 Aluminum		K. Mason		SIZE		A	
FINISH:		CHECKED		DWG NO.		1LK53	
Gold Plate over Nickel		ISSUED		B		1LK53	
DO NOT SCALE DRAWING				SCALE		N/A	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
± .XX ± 0.010 ±  
.XXX ± 0.005

5715 Industry Lane, Unit 11  
FREDERICK, MARYLAND

PRODUCT FEATURE

PE2-15-0RS1R0-SR0-21-12-SFF-WEB

SIZE 1LK53

SCALE N/A

DO NOT SCALE DRAWING