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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	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: 0.25 to 4.0 GHz
- Gain: 45dB Typ.
- Gain Flatness: +/-1.0dB Max.
- Noise Figure: 5.0dB Typ.
- OP1dB: 20dBm Min.
- VSWR Input/Output: 2.0:1 Max.
- DC Voltage Supply: +12 to +15VDC
- DC Current Draw: 385mA Max.

**Features:**

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

**Available Options:**

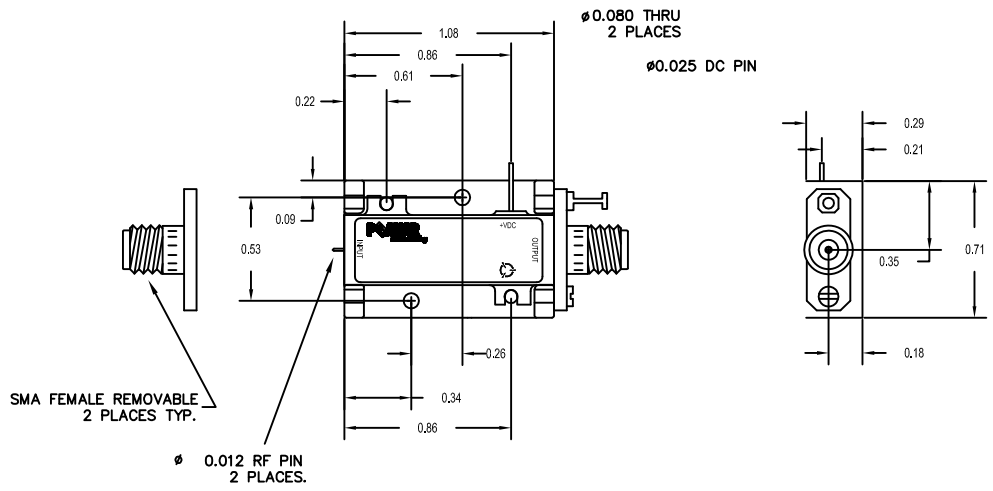
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

**Environmental Ratings:**

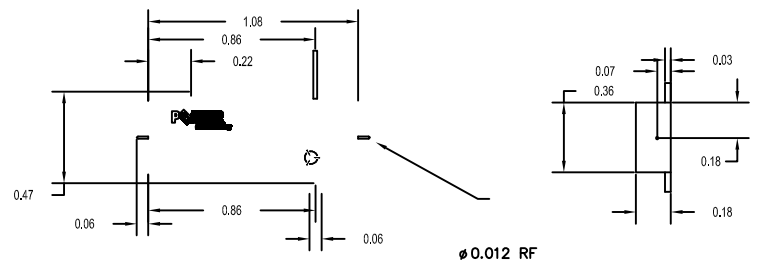
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available)
- 55 to +125 Deg. C (Storage)
- Humidity: MIL-STD-202F, METHOD 103B COND B.
- Shock: MIL-STD-202F, METHOD 213B COND B.
- Altitude: MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

**PE2 HOUSING WITH CARRIER**



**PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)**



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

MATERIAL: 6061-T6 Aluminum	APPROVALS	DATE	5715 Industry Lane, Unit 11 FREDERICK, MARYLAND	
	DRAWN K Mason	2/21/08	TITLE PRODUCT FEATURE PE2-45-0R254R0-5R0-22-12-SFF	
FINISH: Gold Plate over Nickel	CHECKED		SIZE CASE CODE B 1LK53	REV. A
	DRIBED		WEB - MODEL	1 OF 1
DO NOT SCALE DRAWING			SCALE N/A	SHEET 1 OF 1

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