

REV		DATE	APPROVED
1	ORIGINAL RELEASE	2/7/08	

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: 1.0 to 1.5 GHz
- Gain: 30dB Typ.
- Gain Flatness: +/-0.5dB Max.
- Noise Figure: 5.5dB Typ.
- OP1dB: 20dBm Min.
- VSWR Input/Output: 2.0:1 Max.
- DC Voltage Supply: +12 to +15VDC
- DC Current Draw: 300mA Max.

Features:

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

Available Options:

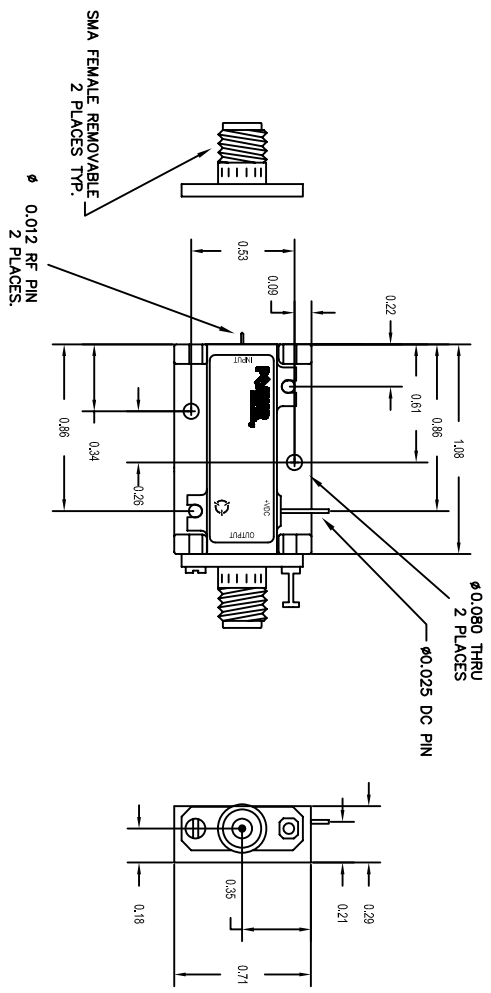
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

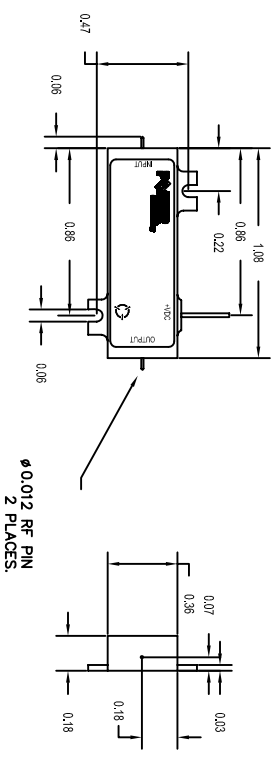
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
- Humidity: MIL-STD-202F, METHOD 103B COND B.
- Shock: MIL-STD-202F, METHOD 213B COND B.
- Altitude: MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 FRACTIONS ±
 DECIMALS .XX ± 0.010
 ANGLES ±
 .XXX ± 0.005
 DO NOT SCALE DRAWING

MATERIAL: 6061-T6 Aluminum		FINISH: Gold Plate over Nickel	
APPROVALS	DATE	DATE	DATE
K. NASON	2/21/08		
PRODUCT FEATURE			
PE2-30-1R01RS-5RS-22-12-SRF		WEB - MODEL A	
B.1LK53		WEB - MODEL A	
REV 1 OF 1		REV 1 OF 1	

5715 Industry Lane, Unit 11
 FREDERICK, MARYLAND