

REVISIONS			
DATE	REV	DESCRIPTION	APPROVED
8/7/08	1	ORIGINAL RELEASE	

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: 12.0 to 18.0 GHz
- Gain: 15dB Typ.
- Gain Flatness: +/-1.25dB Max.
- Noise Figure: 3.5dB Typ.
- OP1dB: 12dBm Min.
- VSWR Input/Output: 2.0:1 Max.
- DC Voltage Supply: +12 to +15V/DC
- DC Current Draw: 80mA Max.

Features:

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

Available Options:

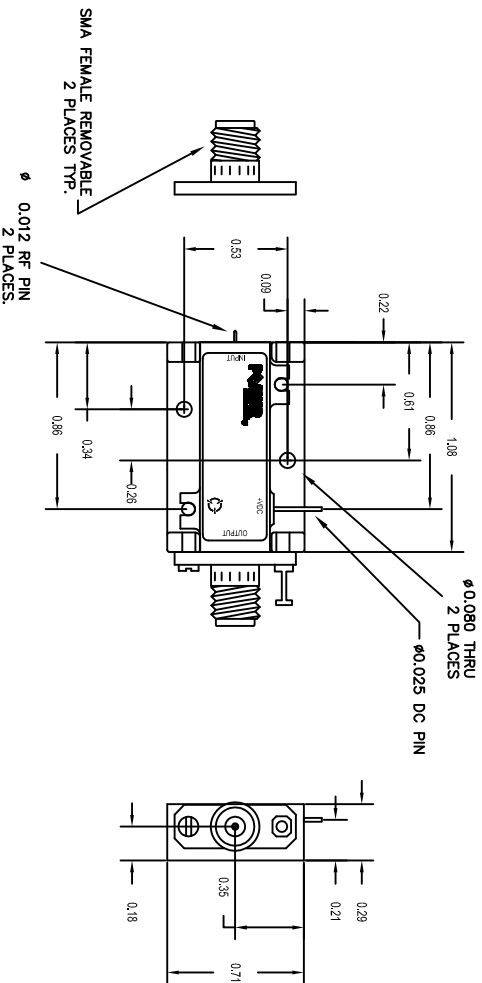
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

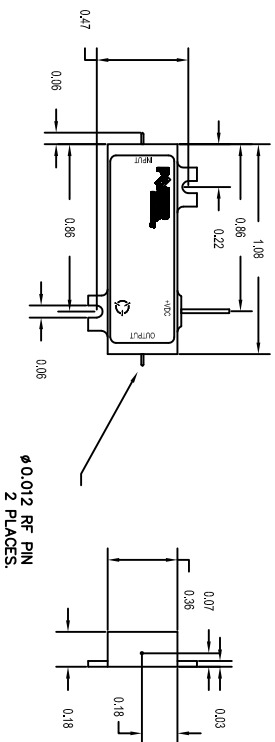
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
- 55 to +125 Deg. C (Storage)
- Humidity: MIL-STD-202F, METHOD 103B COND B.
- Shock: MIL-STD-202F, METHOD 213B COND B.
- Altitude: MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
± ± ±
.XXX ± 0.005

PART NO.		DATE		TITLE	
MATERIAL:		APPROVALS		DATE	
6061-T6 Aluminum		K. MASON		8/21/08	
FINISH:		TOLERANCES ARE:		FRACTIONS DECIMALS ANGLES	
Gold Plate over Nickel		±		±	
DO NOT SCALE DRAWING		±		±	
B. 1LK53		WEB - MODEL		A	
B. 1LK53		WEB - MODEL		A	
B. 1LK53		WEB - MODEL		A	