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|------|-----|------------------|--------|----------|
| DATE | REV | DESCRIPTION | DATE | APPROVED |
| | - | 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: 13.0 to 14.0 GHz
- Gain: 40dB Typ.
- Gain Flatness: +/-0.75dB Max.
- Noise Figure: 3.25dB Typ.
- OP1dB: 12dBm Min.
- VSWR Input/Output: 2.0:1 Max.
- DC Voltage Supply: +12 to +15VDC
- DC Current Draw: 250mA Max.

Features:

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

Available Options:

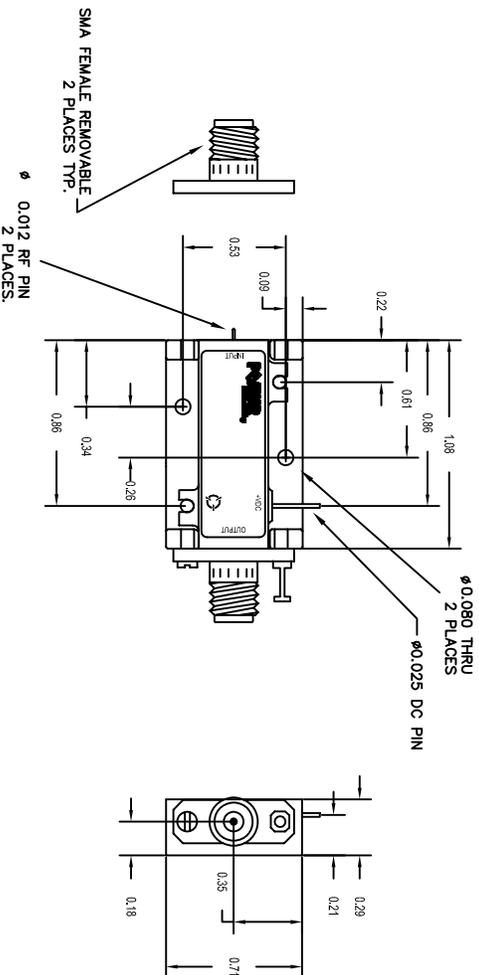
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

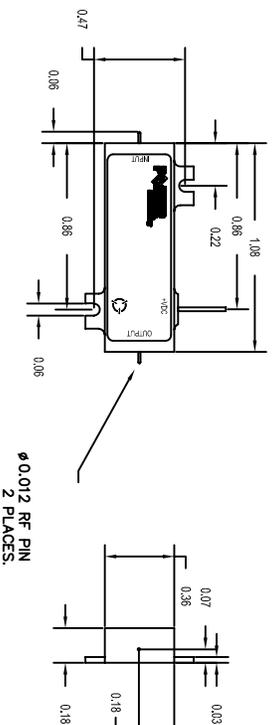
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
- Humidity: -55 to +125 Deg. C (Storage)
- Shock: MIL-STD-202F, METHOD 103B COND B.
- Vibration: MIL-STD-202F, METHOD 213B COND B.
- Altitude: MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND 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 | |
| FINISH: | | Gold Plate over Nickel | |
| MATERIAL: | | K Mason | |
| DATE: | | 2/21/08 | |
| TITLE: | | PRODUCT FEATURE | |
| PART NO.: | | PE2-40-13GI4G-3R25-14-12-SFF | |
| REV.: | | B, 1LK53 | |
| DATE: | | N/A | |
| DRAWN BY: | | WEB - MODEL | |
| CHECKED BY: | | A | |
| DATE: | | 1 OF 1 | |

A

B

C

D

A

B

C

D

8 7 6 5 4 3 2 1