

| REVISIONS |     |                  |  | DATE   | APPROVED |
|-----------|-----|------------------|--|--------|----------|
| 2         | REV | DESCRIPTION      |  | 8/7/08 |          |
| -         |     | 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:  
Gain:  
Gain Flatness:  
Noise Figure:  
OP1dB:  
VSWR Input/Output:  
DC Voltage Supply:  
DC Current Draw:
- 2.0 to 20.0 GHz  
15dB Typ.  
+/-1.5dB Max.  
5.0dB Typ.  
13dBm Min.  
2.0:1 Max.  
+12 to +15V/DC  
65mA Max.

**Features:**

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

**Available Options:**

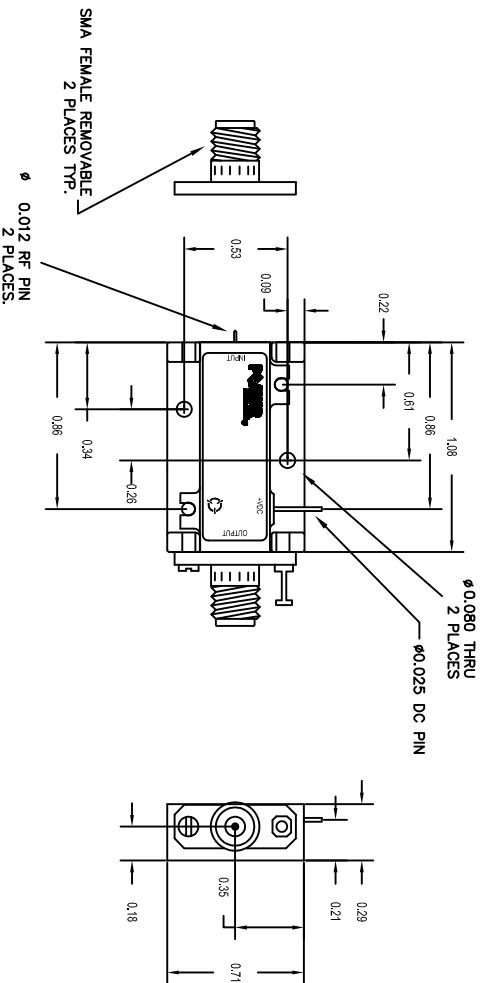
- Various Package types  
Various Connector types  
Temperature Compensation  
Hermetic Sealing  
Gain and Phase Matching  
MIL-STD-883 Screening Available

**Environmental Ratings:**

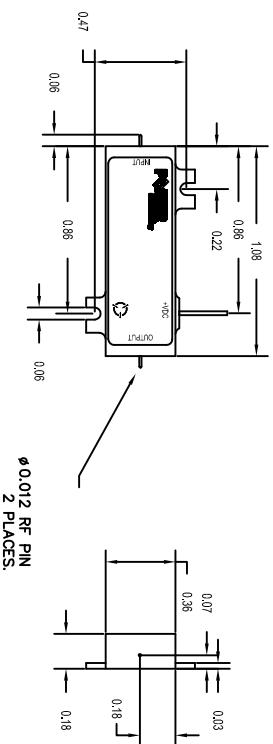
- Temperature:  
Humidity:  
Shock:  
Altitude:  
Temperature Cycle:
- 20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)  
-55 to +125 Deg. C (Storage)  
MIL-STD-202F, METHOD 103B COND B.  
MIL-STD-202F, METHOD 213B COND B.  
MIL-STD-202F, METHOD 105C COND B.  
MIL-STD-202F, METHOD 107D COND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

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



| PART NO.  |  | APPROVALS                |  | DATE                 |  | TITLE                       |  | REV                 |  | DATE                         |  | REV         |  |
|-----------|--|--------------------------|--|----------------------|--|-----------------------------|--|---------------------|--|------------------------------|--|-------------|--|
| MATERIAL: |  | 6061-T6 Aluminum         |  | 8/21/08              |  | PRODUCT FEATURE             |  | B                   |  | 11K53                        |  | WEB - MODEL |  |
| FINISH:   |  | Gold Plating over Nickel |  | DO NOT SCALE DRAWING |  | 5715 Industry Lane, Unit 11 |  | FREDERICK, MARYLAND |  | PE2-15-2802080-580-15-12-SFF |  | 1 OF 1      |  |