

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:
- 0.25 to 10.0 GHz  
30dB Typ.  
+/-1.0dB Max.  
4.5dB Typ.  
13dBm Min.  
2.0:1 Max.  
+12 to +15VDC  
130mA Max.

**Features:**

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

**Available Options:**

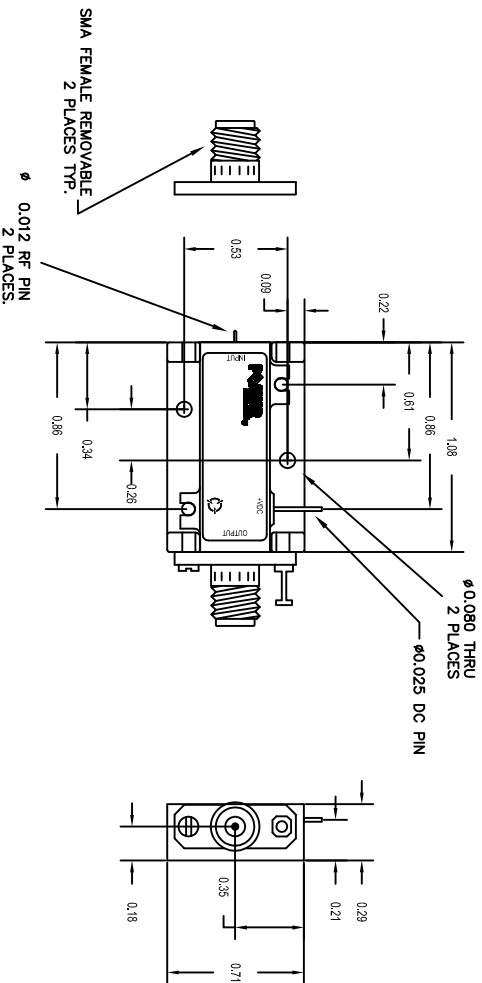
- Various Package types  
Various Connector types  
Temperature Compensation  
Hermetic Sealing  
Gain and Phase Matching  
MIL-STD-883 Screening Available

**Environmental Ratings:**

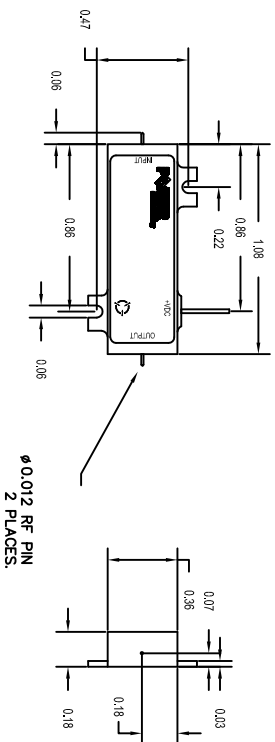
- Temperature:  
Humidity:  
Shock:  
Altitude:  
Temperature Cycle:
- 20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)  
-55 to +125 Deg. C (Storage)  
MIL-STD-202F, METHOD 103B COND B.  
MIL-STD-202F, METHOD 213B COND B.  
MIL-STD-202F, METHOD 105C COND B.  
MIL-STD-202F, METHOD 107D COND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

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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

PART NO.		DATE		TITLE		REV	
MATERIAL:		APPROVALS		DATE		REV	
6061-T6 Aluminum		K. Mason		8/21/08		1	
FINISH:		TOLERANCES ARE:		FRACTIONS		DECIMALS	
Gold Plating over Nickel		±		.XXX ± 0.005			
DO NOT SCALE DRAWING		MATERIAL:		DATE		REV	
5715 Industry Lane, Unit 11		FREDERICK, MARYLAND		PE2-30-0R2510R0-4R5-15-12-SFF		WEB - MODEL A	
B.1LK53		REV		DATE		REV	
N/A		1 OF 1					