

REVISIONS			
DATE	BY	DESCRIPTION	APPROVED
8/7/09		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: 16.0 to 17.0 GHz  
Gain: 30dB Typ.  
Gain Flatness: +/-0.5dB Max.  
Noise Figure: 3.75dB Typ.  
OP1dB: 19dBm Min.  
VSWR Input/Output: 2.0:1 Max.  
DC Voltage Supply: +12 to +15V/DC  
DC Current Draw: 320mA Max.

**Features:**

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

**Available Options:**

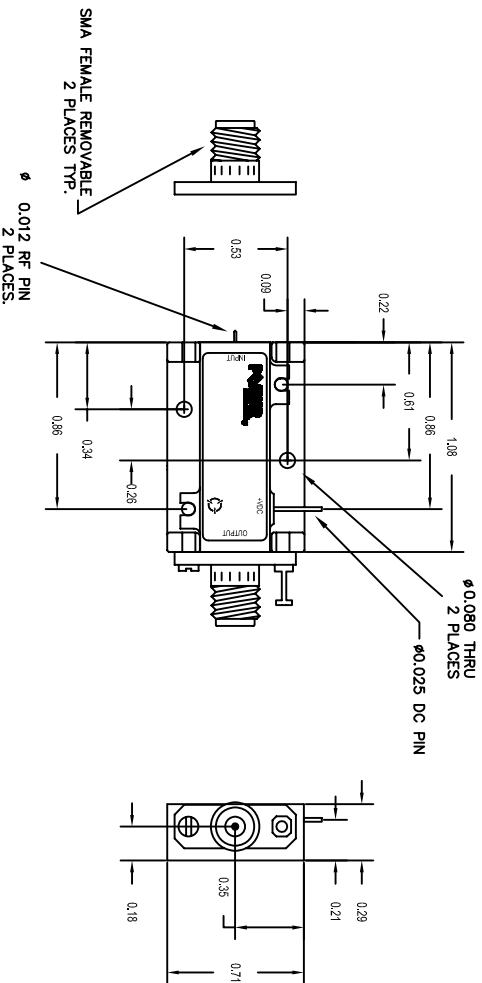
- Various Package types  
Various Connector types  
Temperature Compensation  
Hermetic Sealing  
Gain and Phase Matching  
MIL-STD-883 Screening Available

**Environmental Ratings:**

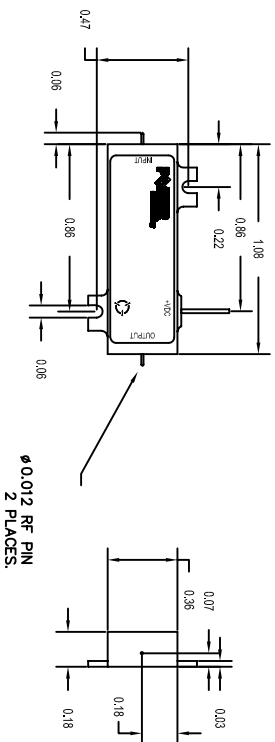
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)  
Humidity: MIL-STD-202F, METHOD 103B COND B.  
Shock: MIL-STD-202F, METHOD 213B COND B.  
Altitude: MIL-STD-202F, METHOD 105C COND B.  
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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 ANGLES  
± .XX ± 0.010 ±  
.XXX ± 0.005

PART NO.		DATE		TITLE	
MATERIAL:		APPROVALS		DATE	
6061-T6 Aluminum		K. Mason		8/21/09	
FINISH:		TOLERANCES ARE:		FRACTIONS DECIMALS ANGLES	
Gold Plate over Nickel		±		±	
DO NOT SCALE DRAWING		MATERIAL		DATE	
B. 1LK53		PE2-30-16G17G-3R75-20-12-SFF		FREDERICK, MARYLAND	
N/A		WEB - MODEL		A	
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