

REVISIONS				DATE	APPROVED
2	REV	DESCRIPTION		2/7/09	
-		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:  
11.0 to 12.0 GHz  
Gain:  
40dB Typ.  
Gain Flatness:  
+/-0.75dB Max.  
Noise Figure:  
3.0dB Typ.  
OP1dB:  
12dBm Min.  
VSWR Input/Output:  
2.0:1 Max.  
DC Voltage Supply:  
+12 to +15V/DC  
DC Current Draw:  
250mA Max.

### Features:

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

### Available Options:

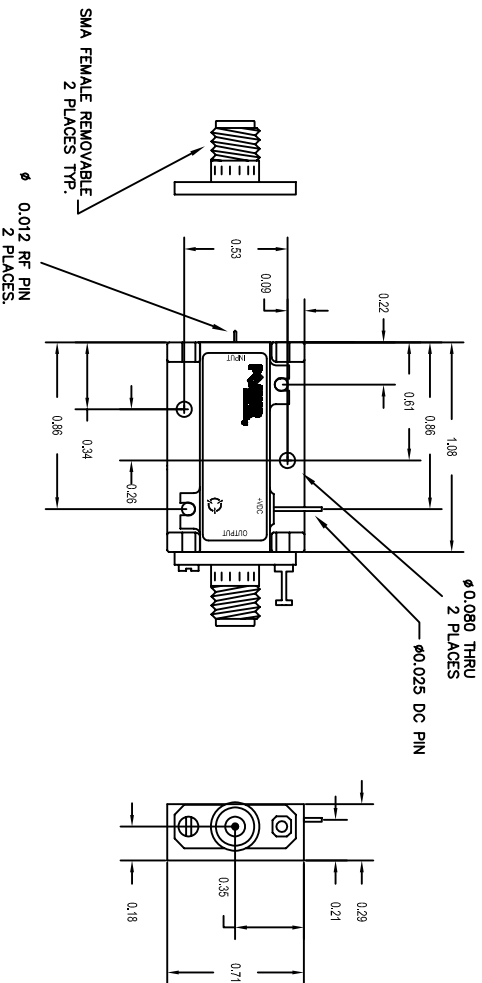
Various Package types  
Various Connector types  
Temperature Compensation  
Hermetic Sealing  
Gain and Phase Matching  
MIL-STD-883 Screening Available

### Environmental Ratings:

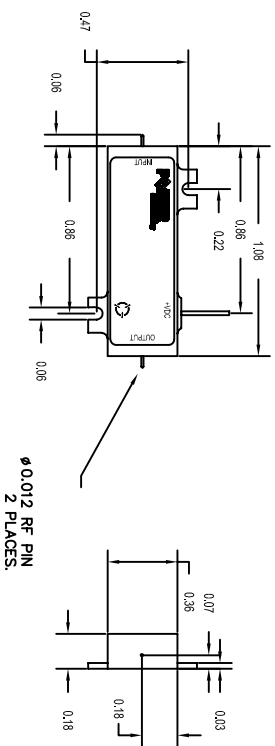
Temperature:  
-20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)  
-55 to +125 Deg. C (Storage)  
Humidity:  
MIL-STD-202F, METHOD 103B COND B.  
Shock:  
MIL-STD-202F, METHOD 213B COND B.  
Altitude:  
MIL-STD-202F, METHOD 105C COND B.  
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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.		APPROVALS		DATE		TITLE	
MATERIAL:		DRAWN		2/27/09		PRODUCT FEATURE	
6061-T6 Aluminum		K. MASON				PE2-40-11G2G-3R0-14-12-SF	
FINISH:		CHECKED				B. 1LK53	
Gold Plate over Nickel		THROU				WEB - MODEL	
DO NOT SCALE DRAWING		REV		N/A		1 OF 1	