

REVISIONS			
DATE	REV	DESCRIPTION	APPROVED
8/7/08	1	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:
- 12.0 to 24.0 GHz
42dB Typ.
+/-1.75dB Max.
5.0dB Typ.
16dBm Min.
2.0:1 Max.
+12 to +15V/DC
700mA Max.

Features:

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

Available Options:

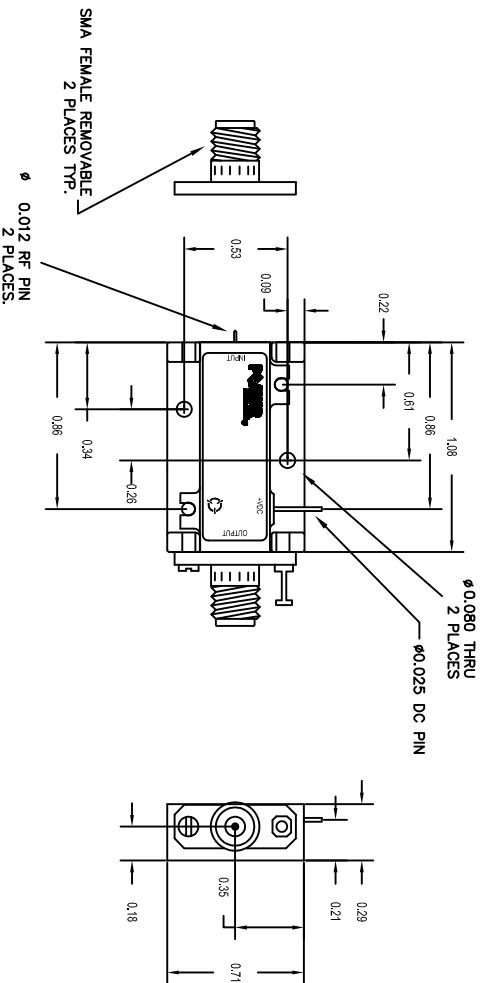
- Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

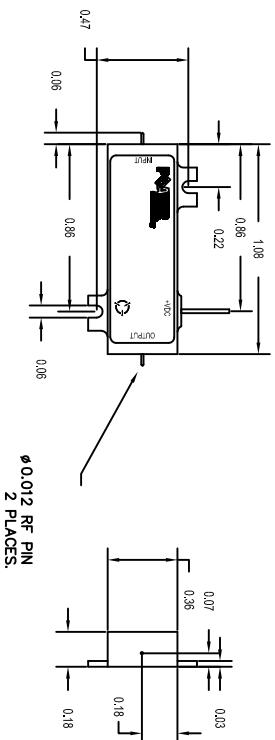
- Temperature:
Humidity:
Shock:
Altitude:
Temperature Cycle:
- 20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
MIL-STD-202F, METHOD 103B COND B.
MIL-STD-202F, METHOD 213B COND B.
MIL-STD-202F, METHOD 105C COND B.
MIL-STD-202F, METHOD 107D COND A

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
± .XX ± 0.010 ±
.XXX ± 0.005

PART NO.		DATE		TITLE		MATERIAL		FINISH		DO NOT SCALE DRAWING	
APPROVALS		DATE		TITLE		MATERIAL		FINISH		DO NOT SCALE DRAWING	
K. MASON		8/21/08		PE2-42-12R024R0-5R0-18-12-SFF		6061-T6 Aluminum		Gold Plate over Nickel		DO NOT SCALE DRAWING	
FREDERICK, MARYLAND				B. 1LK53		WEB - MODEL		A			