

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
45dB Typ.
+/-1.5dB Max.
5.0dB Typ.
20dBm Min.
2.0:1 Max.
+12 to +15V/DC
385mA Max.

Features:

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

Available Options:

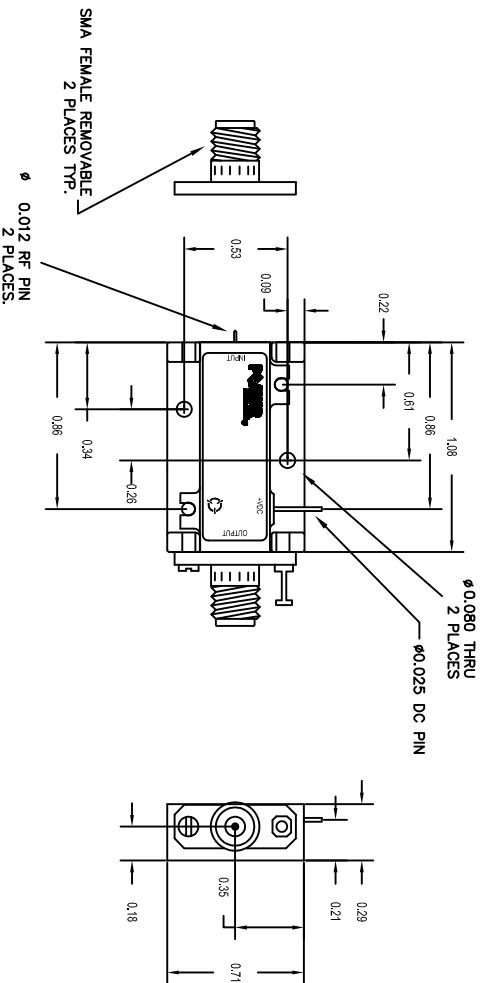
- Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

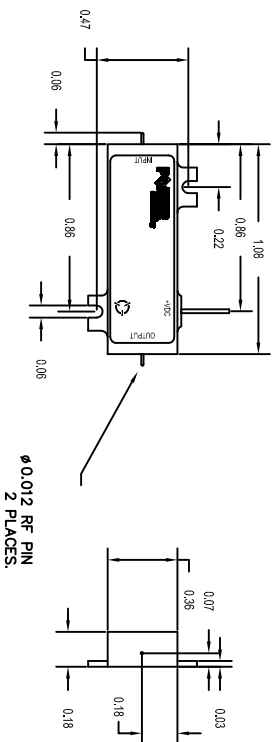
- Temperature:
Humidity:
Shock:
Altitude:
Temperature Cycle:
- 20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
MIL-STD-202F, METHOD 103B COND B.
MIL-STD-202F, METHOD 213B COND B.
MIL-STD-202F, METHOD 105C COND B.
MIL-STD-202F, METHOD 107D COND A

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
DO NOT SCALE DRAWING

PART NO.		DATE		TITLE		REV	
MATERIAL:		APPROVALS		DATE		REV	
6061-T6 Aluminum		K. Mason		8/21/08		1	
FINISH:		PRODUCT FEATURE		DATE		REV	
Gold Plating over Nickel		PE2-45-2802080-5R0-22-12-SFF		B. 1LK53		WEB - MODEL	
DO NOT SCALE DRAWING		5715 Industry Lane, Unit 11		FREDERICK, MARYLAND		1 OF 1	