

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: 12.0 to 13.0 GHz
Gain: 30dB 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: 160mA Max.

Features:

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

Available Options:

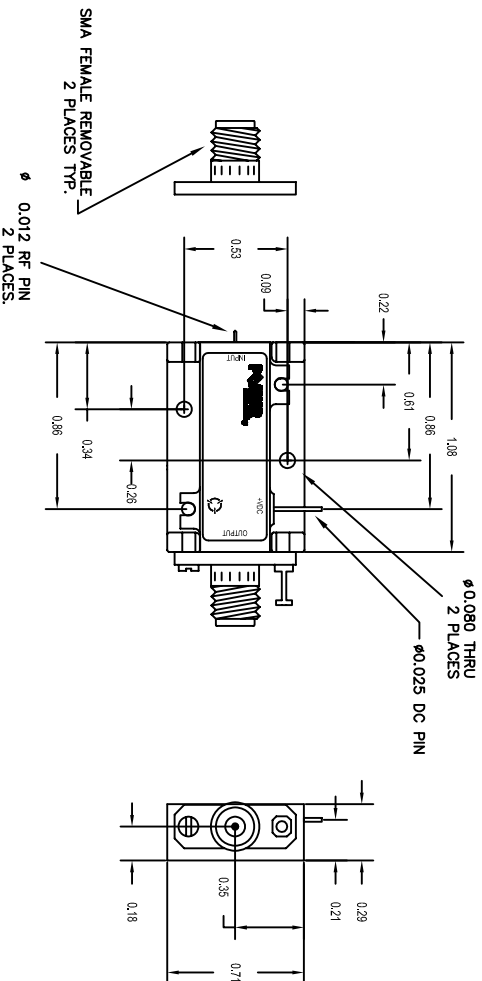
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

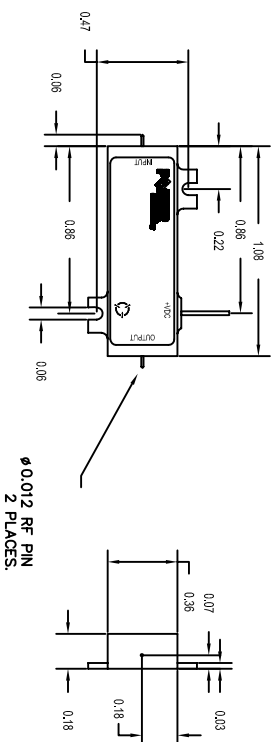
Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
± ± ±
.XXX ± 0.005
DO NOT SCALE DRAWING

PART NO.		DATE		TITLE	
APPROVALS		DATE		5715 Industry Lane, Unit 11 FREDERICK, MARYLAND	
MATERIAL:		8/21/08		PRODUCT FEATURE	
6061-T6 Aluminum		K. Mason		PE2-30-12G130-360-14-12-SF	
FINISH:		DECIMALS		FRACTIONS	
Gold Plate over Nickel		±		±	
DO NOT SCALE DRAWING		±		±	
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