

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:
12.0 to 13.0 GHz
Gain:
15dB Typ.
Gain Flatness:
+/-0.5dB 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:
80mA Max.

Features:

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

Available Options:

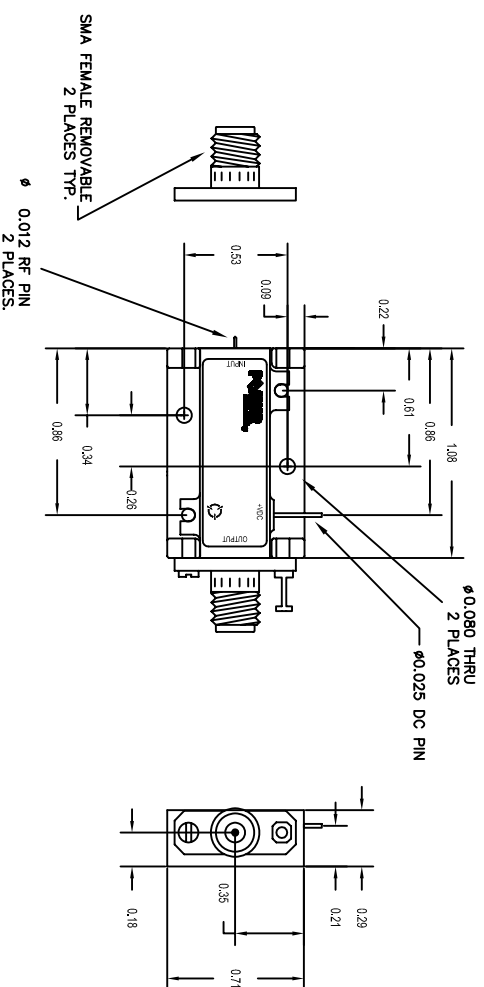
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

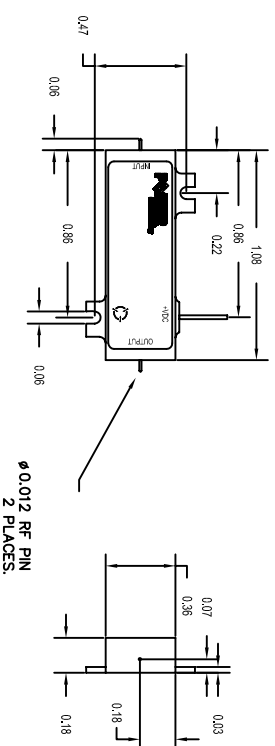
Temperature:
-20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
Humidity:
MIL-STD-202F, METHOD 103B COND B.
Shock:
MIL-STD-202F, METHOD 213B COND B.
Altitude:
MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
DO NOT SCALE DRAWING

PART NO.		DATE		TITLE		REV	
MATERIAL:		APPROVALS		DATE		REV	
6061-T6 Aluminum		K. Mason		2/27/09		1	
FINISH:		DATE		TITLE		REV	
Gold Plate over Nickel		2/27/09		PE2-15-12G13G-3R0-14-12-SF		1	
DO NOT SCALE DRAWING		DATE		TITLE		REV	
N/A		2/27/09		PE2-15-12G13G-3R0-14-12-SF		1	
		DATE		TITLE		REV	
				B. 1LK53		1	
				WEB - MODEL		A	
						1 OF 1	