

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
A		ORIGINAL RELEASE	1/28/11

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:
- 10.0 to 11.0 GHz
45dB Typ.
+/-0.75dB Max.
1.5dB Typ.
17dBm Typ.
2.0:1 Max.
+12 to +15VDC
250mA Max.

Features:

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

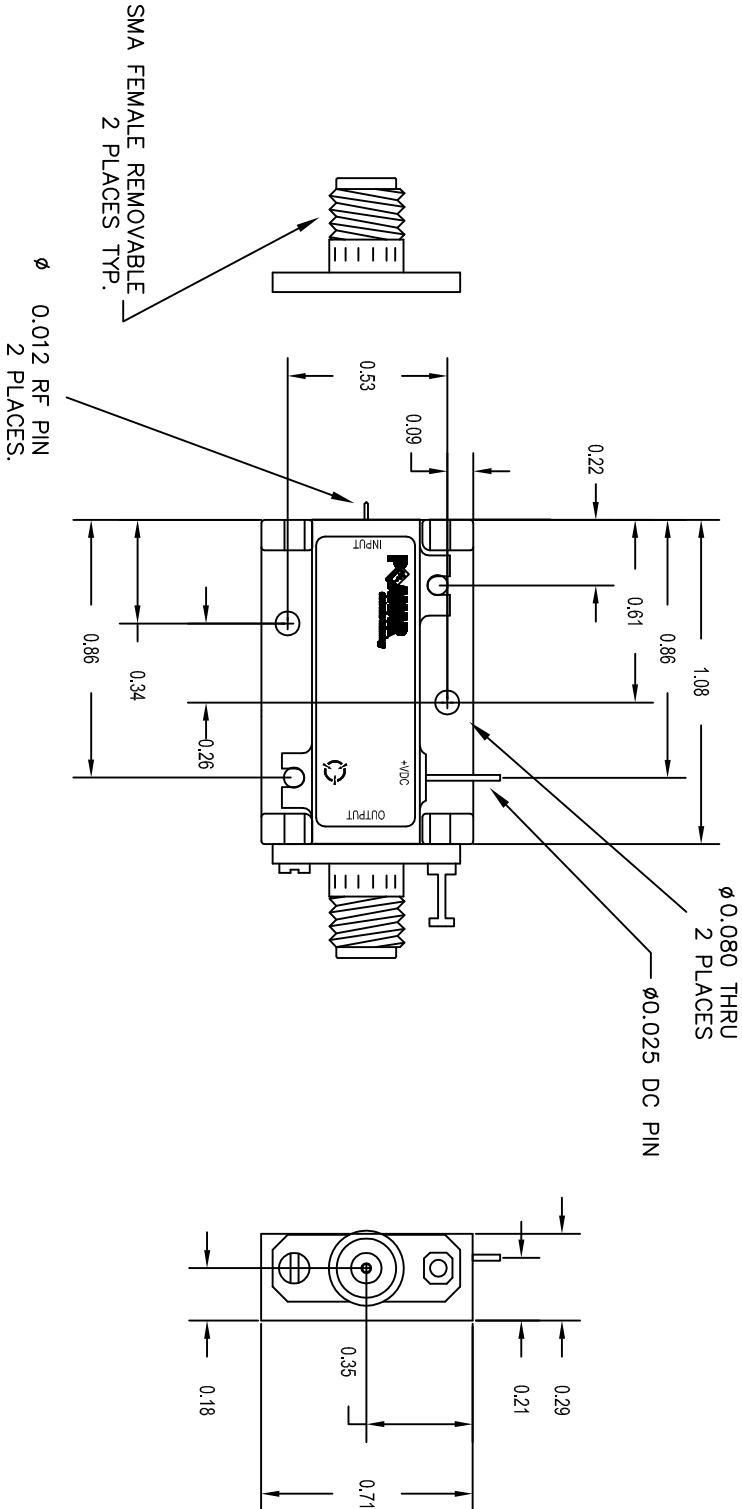
Available Options:

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

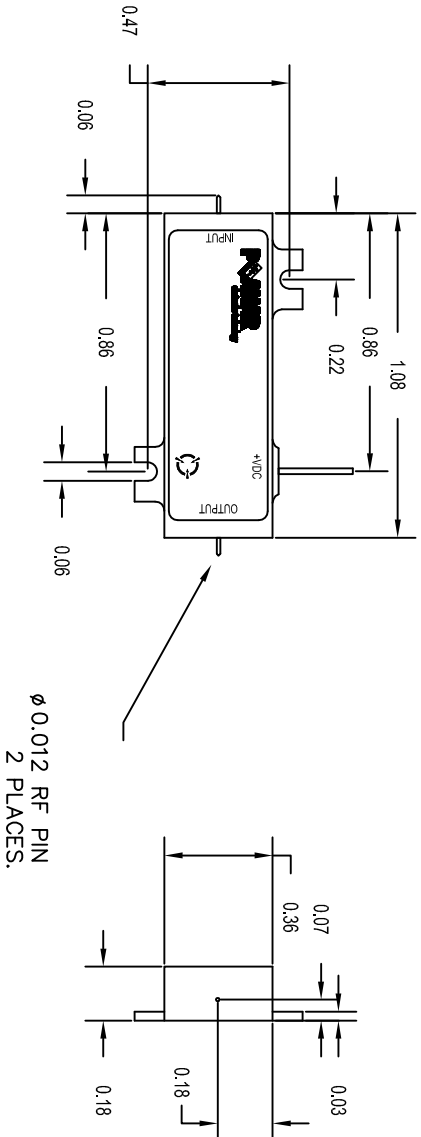
Environmental Ratings:

- Temperature:
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)



PART NO.		APPROVALS		DATE		TIME		PRODUCT FEATURE		REV.	
MATERIAL:		DRAWN		1/28/11		PE2-45-10G11G-1R5-17-12-SFF		SIZE		REV.	
6061-T6 Aluminum		KIM				CAGE CODE		B		A	
FINISH:		CHECKED				DWG NO.		1LK53		27014121	
Gold Plate over Nickel		ISSUED				SCALE		N/A		1 OF 1	
DO NOT SCALE DRAWING											

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± ± ±
.XXX ± 0.005

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