

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 18.0 GHz
Gain: 45dB Typ.
Gain Flatness: +/-1.5dB Max.
Noise Figure: 4.0dB Typ.
OP1dB: 18dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 385mA Max.

Features:

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

Available Options:

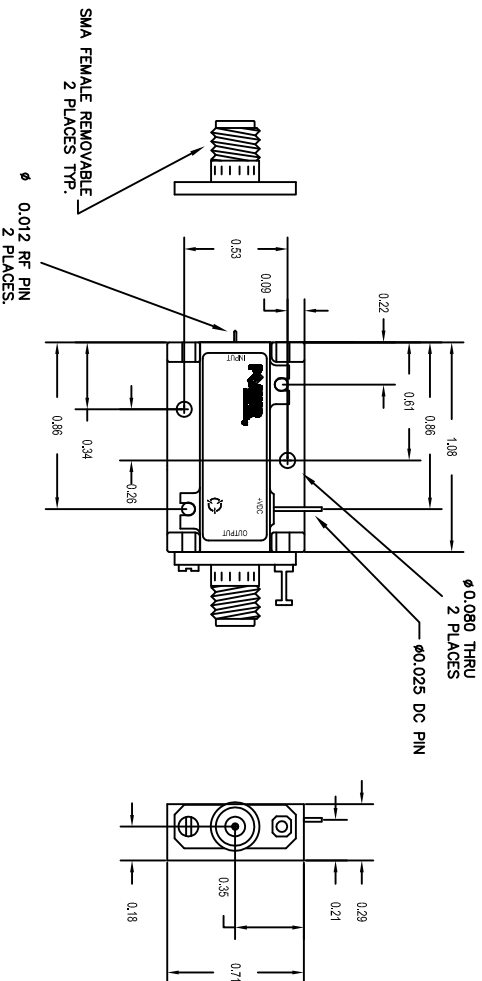
- Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

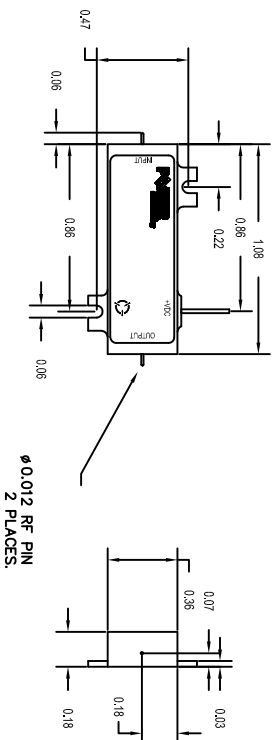
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
± .XX ± 0.010 ±
.XXX ± 0.005

PART NO.		APPROVALS		DATE		TITLE		REV		DATE		REV	
MATERIAL:		6061-T6 Aluminum		K. Mason		8/21/08		PE2-45-1280880-4R0-20-12-SFF		B. 1LK53		WEB - MODEL	
FINISH:		Gold Plate over Nickel		DO NOT SCALE DRAWING		N/A		1 OF 1					