

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: 0.5 to 2.0 GHz
Gain: 22dB Typ.
Gain Flatness: +/-0.5dB Max.
Noise Figure: 1.5dB Typ.
OP1dB: 16dBm Typ.
VSWR Input/Output: 2./1.8:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 100mA 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: -55 to +125 Deg. C (Storage)

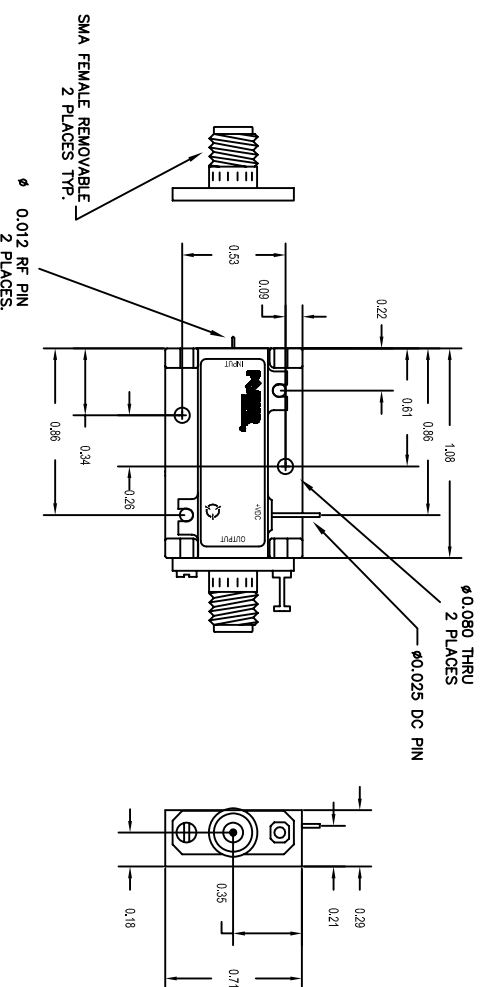
Shock: MIL-STD-202F, METHOD 103B COND B.

Altitude: MIL-STD-202F, METHOD 213B COND B.

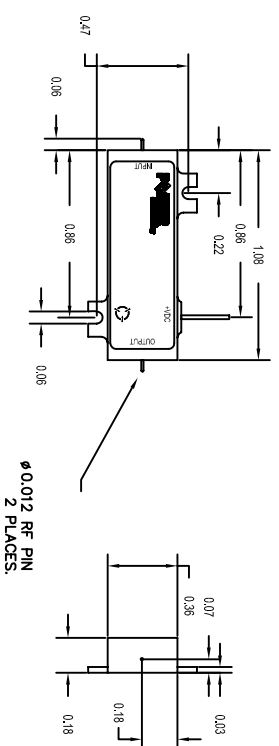
Temperature Cycle: MIL-STD-202F, METHOD 105C COND B.

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 ±		MATERIAL: 6061-T6 Aluminum FINISH: Gold Plate over Nickel DO NOT SCALE DRAWING		DATE 8/21/08		SITE PE2-22-085280-1R5-18-12-SFF		WEB - MODEL		REV A	
MATERIAL:		6061-T6 Aluminum		DATE		SITE		WEB - MODEL		REV	
FINISH:		Gold Plate over Nickel		DATE		SITE		WEB - MODEL		REV	
DO NOT SCALE DRAWING		DATE		SITE		WEB - MODEL		REV		REV	