

REVISIONS				DATE	APPROVED
200	REV	DESCRIPTION	DATE		
-		ORIGINAL RELEASE	2/7/03		

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: 20.0 to 21.0 GHz
Gain: 22dB Typ.
Gain Flatness: +/-0.5dB Max.
Noise Figure: 2.5dB Typ.
OP1dB: 8dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 60mA 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.

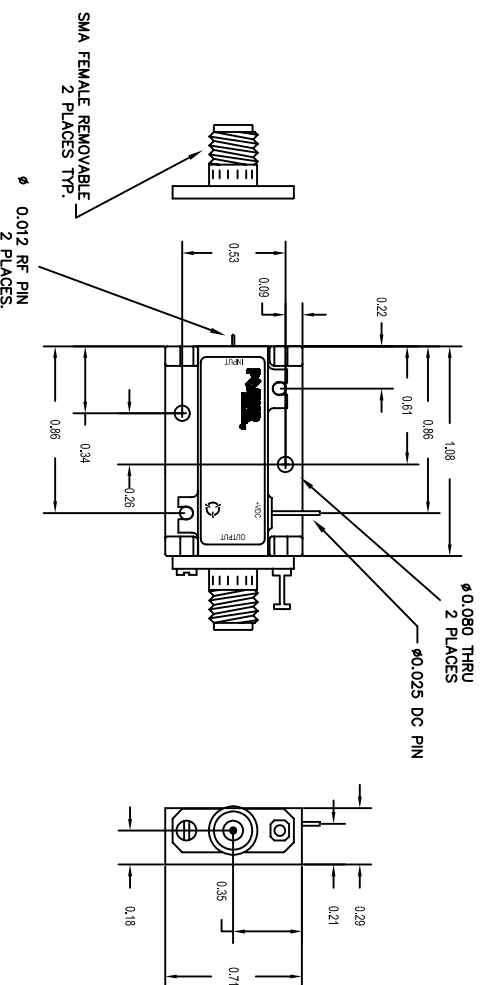
Altitude: MIL-STD-202F, METHOD 213B COND B.

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

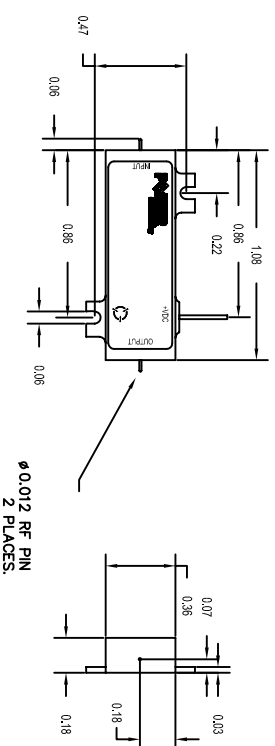
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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				5715 Industry Lane, Unit 11 FREDERICK, MARYLAND	
MATERIAL:		APPROVALS		DATE			
6061-T6 Aluminum		K. Mason		2/27/03			
FINISH:		TOLERANCES ARE:		FRACTIONS DECIMALS ANGLES			
Gold Plate over Nickel		±		±			
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