

REVISIONS			
DATE	REV	DESCRIPTION	APPROVED
8/7/08	1	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: 15dB Typ.
Gain Flatness: +/-1.5dB Max.
Noise Figure: 3.5dB Typ.
OP1dB: 18dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 225mA 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.

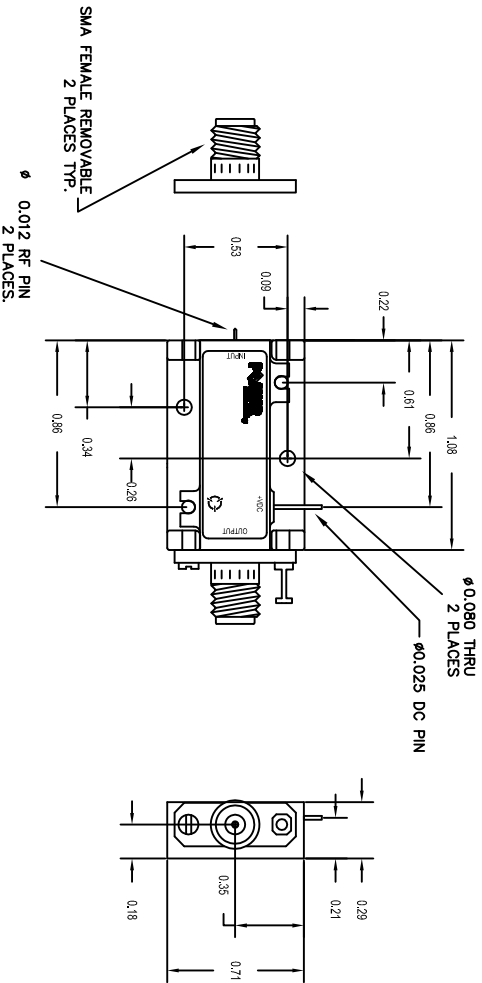
Altitude: MIL-STD-202F, METHOD 213B COND B.

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

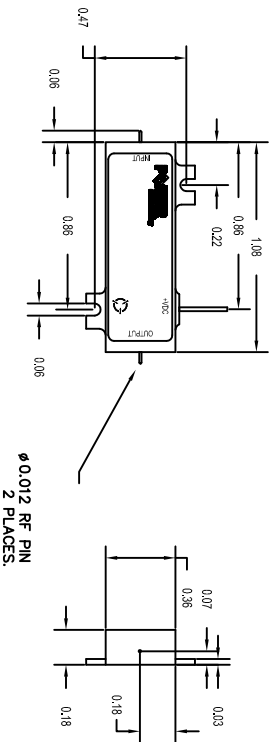
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

PART NO.		DATE		TITLE	
MATERIAL:		APPROVALS		DATE	
6061-T6 Aluminum		K. Mason		8/21/08	
FINISH:		TOLERANCES ARE:		FRACTIONS DECIMALS ANGLES	
Gold Plate over Nickel		±		±	
DO NOT SCALE DRAWING		±		±	
PE2-15-12R018R0-3R5-20-12-SFF		PE2-15-12R018R0-3R5-20-12-SFF		PE2-15-12R018R0-3R5-20-12-SFF	
B.1LK53		B.1LK53		B.1LK53	
WEB - MODEL		WEB - MODEL		WEB - MODEL	
A		A		A	