

REVISIONS				DATE	APPROVED
2	REV	DESCRIPTION		2/7/09	
-		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: 15.0 to 16.0 GHz
Gain: 10dB Typ.
Gain Flatness: +/-0.5dB Max.
Noise Figure: 5.0dB Typ.
OP1dB: 12dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 65mA 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)

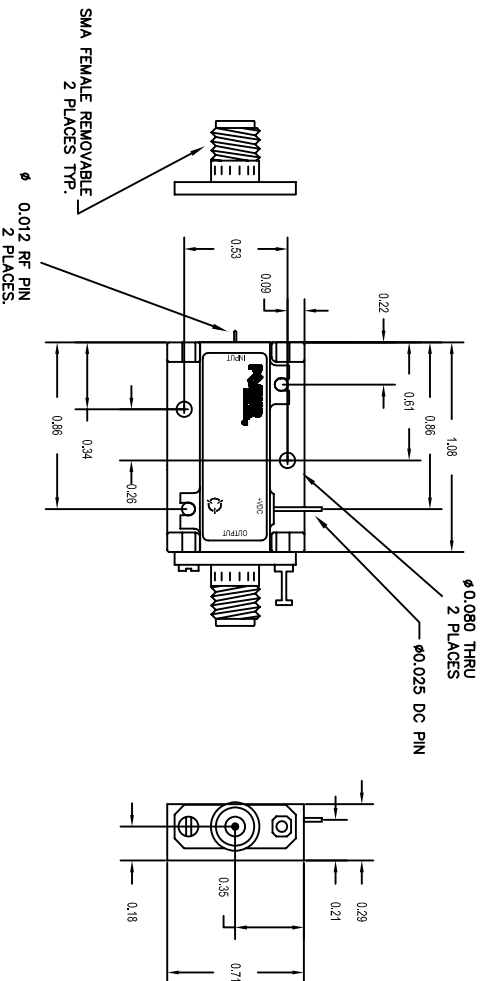
Shock: MIL-STD-202F, METHOD 103B COND B.

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

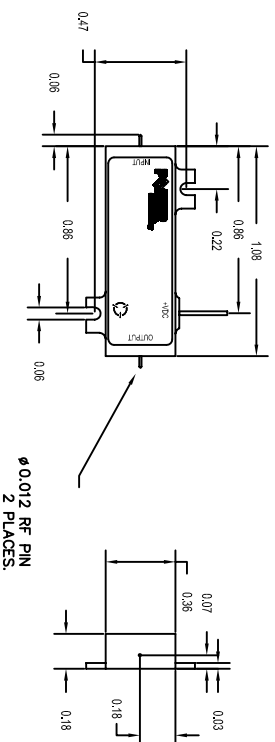
Temperature Cycle: MIL-STD-202F, METHOD 105C COND B.

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 ±
.XXX ± 0.005

PART NO.		DATE		TITLE	
MATERIAL:		APPROVALS		DATE	
6061-T6 Aluminum		K. Mason		2/27/09	
FINISH:		MIL-STD-202F		MIL-STD-202F	
Gold Plate over Nickel		MIL-STD-202F		MIL-STD-202F	
DO NOT SCALE DRAWING		MIL-STD-202F		MIL-STD-202F	
B. 1LK53		B. 1LK53		B. 1LK53	
WEB - MODEL		WEB - MODEL		WEB - MODEL	
A		A		A	

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE
PE2-10-15G16G-5R0-14-12-SF

WEB - MODEL

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