

REVISIONS				DATE	APPROVED
2	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: 1.0 to 1.5 GHz
Gain: 45dB Typ.
Gain Flatness: +/-0.75dB Max.
Noise Figure: 5.5dB Typ.
OP1dB: 20dBm 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:

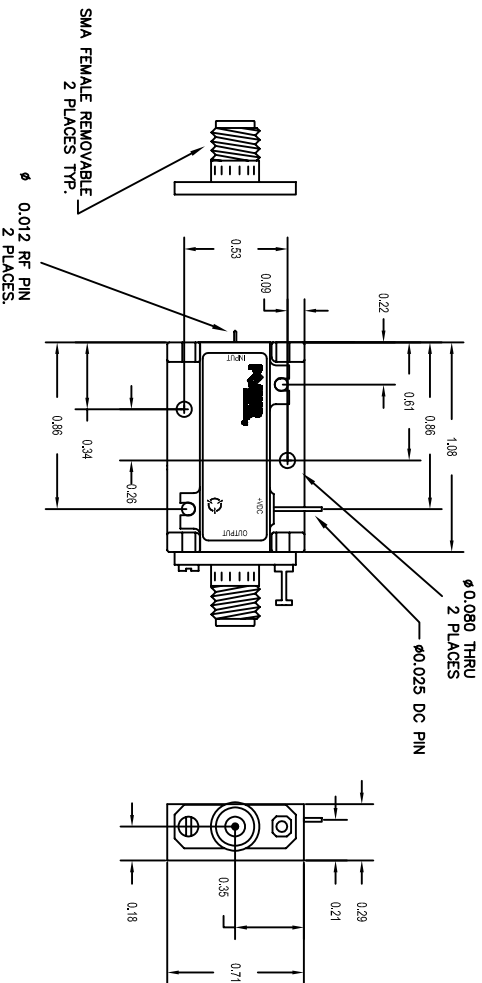
- Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

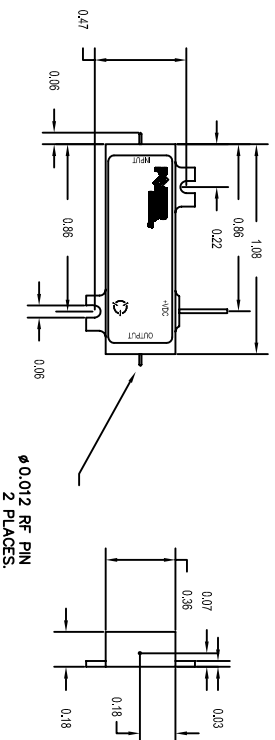
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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.		DATE		DATE		DATE		DATE	
MATERIAL:		6061-T6 Aluminum		K. Mason		2/27/03		DATE	
FINISH:		Gold Plate over Nickel		N/A		N/A		N/A	
DO NOT SCALE DRAWING		N/A		N/A		N/A		N/A	

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE
PE2-45-1R01R5-5R5-22-12-SFF
B.1LK53
WEB - MODEL A

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