

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: 10.0 to 20.0 GHz
Gain: 30dB Typ.
Gain Flatness: +/-1.5dB Max.
Noise Figure: 4.5dB Typ.
OP1dB: 18dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 300mA Max.

Features:

- Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -20 to +70 Deg. C

Available Options:

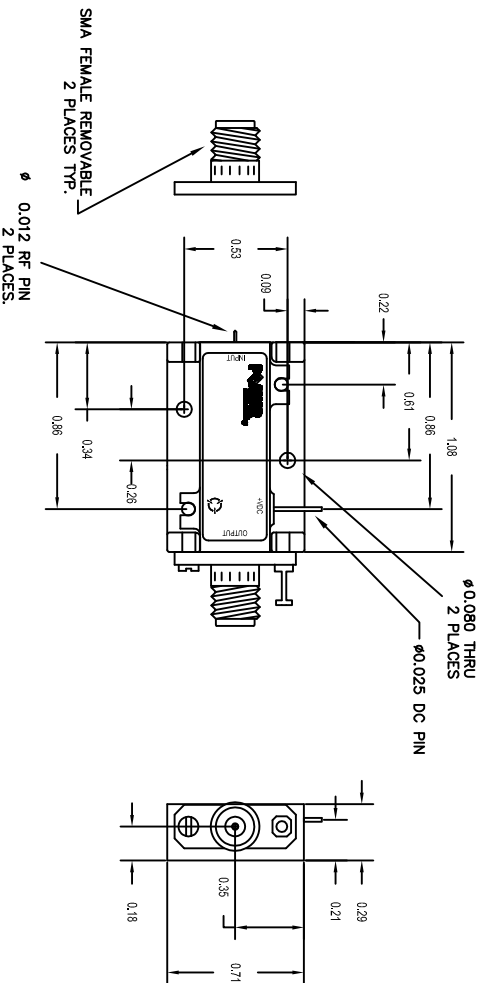
- Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

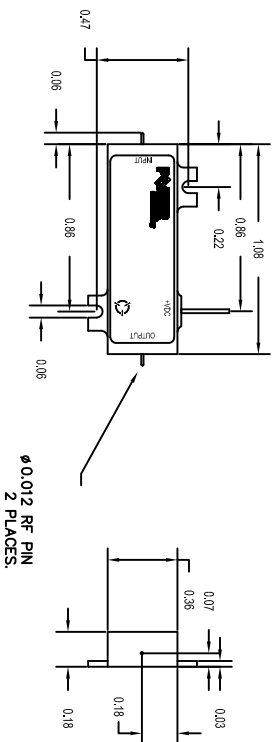
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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		TITLE		REV	
MATERIAL:		APPROVALS		DATE		REV	
6061-T6 Aluminum		K. Mason		2/21/03		1	
FINISH:		TOLERANCES ARE:		FRACTIONS		DECIMALS	
Gold Plate over Nickel		±		.XX ± 0.010		.XXX ± 0.005	
DO NOT SCALE DRAWING		MATERIAL		DATE		REV	
N/A		N/A		N/A		N/A	

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE

PE2-30-10R020R0-4R5-20-12-SFF
B 1LK53
WEB - MODEL A