

REVISIONS				DATE	APPROVED
2	REV	DESCRIPTION		8/7/08	
-		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:
20.0 to 40.0 GHz
- Gain:
18dB Typ.
- Gain Flatness:
+/-2.5dB Max.
- Noise Figure:
5.5dB Typ.
- OP1dB:
16dBm Min.
- VSWR Input/Output:
2.0:1 Max.
- DC Voltage Supply:
+12 to +15V/DC
- DC Current Draw:
500mA Max.

Features:

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

Available Options:

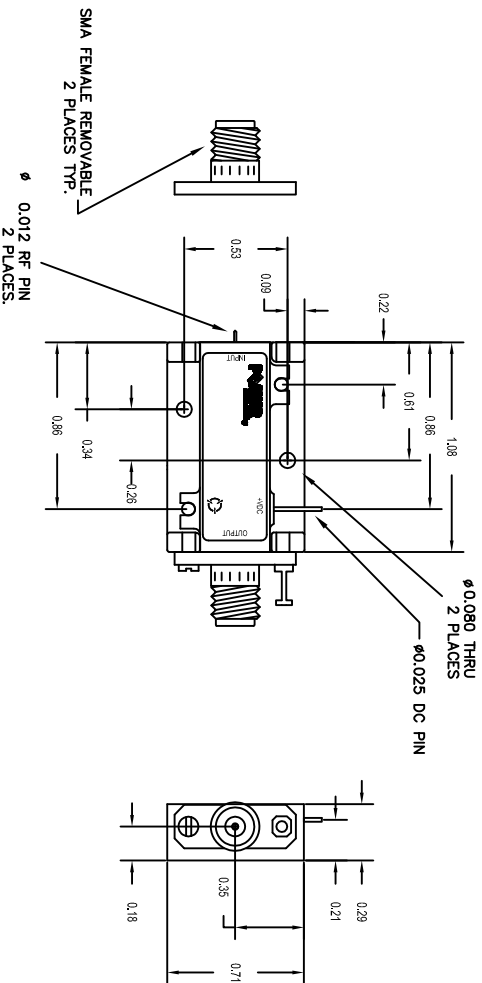
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

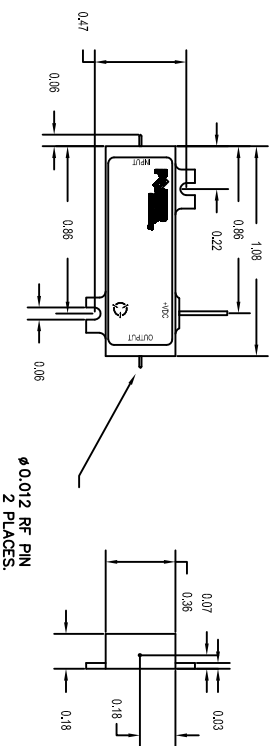
- Temperature:
-20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
- Humidity:
-55 to +125 Deg. C (Storage)
- Shock:
MIL-STD-202F, METHOD 103B COND B.
MIL-STD-202F, METHOD 213B COND B.
- Altitude:
MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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.		APPROVALS		DATE		TITLE		REV	
MATERIAL:		6061-T6 Aluminum		K. Mason		8/21/08		PE2-28-20R040R0-5R5-18-12-SFF	
FINISH:		Gold Plating over Nickel		N/A		B. 1LK53		WEB - MODEL	
DO NOT SCALE DRAWING								REV 1 OF 1	