

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: 0.8 to 1.0 GHz
- Gain: 45dB Typ.
- Gain Flatness: +/-0.75dB Max.
- Noise Figure: 1.5dB Typ.
- OP1dB: 16dBm Typ.
- VSWR Input/Output: 2.0/1.8:1 Max.
- DC Voltage Supply: +12 to +15VDC
- DC Current Draw: 100mA Max.

Features:

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

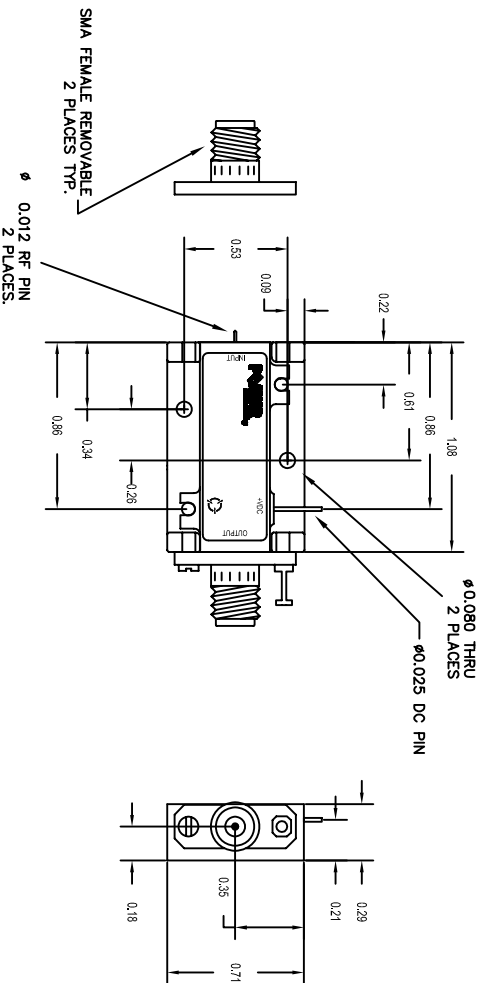
Available Options:

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

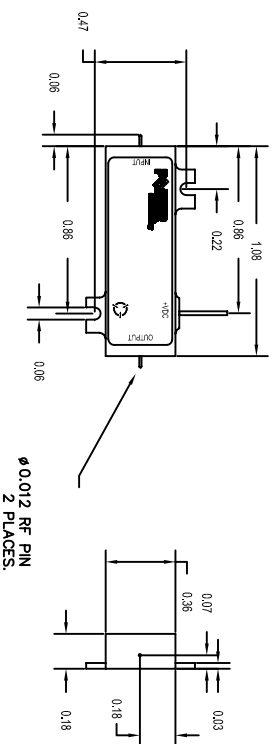
Environmental Ratings:

- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
 - 55 to +125 Deg. C (Storage)
 - 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:		ANGLES		FINISH:		DO NOT SCALE DRAWING	
FRACTIONS	DECIMALS	±	±	Gold Plate over Nickel	6061-T6 Aluminum	6061-T6 Aluminum	6061-T6 Aluminum
.XX ± 0.010	.XXX ± 0.005						
MATERIAL:		APPROVALS		DATE		SHEET NO.	
6061-T6 Aluminum		K. Mason		8/21/08		5715 Industry Lane, Unit 11	
FREDERICK, MARYLAND							
PRODUCT FEATURE							
PE2-22-180RS-1R5-18-12-SF							
B. 1LK53							
WEB - MODEL							
A							