

REVISIONS				DATE	APPROVED
200	REV	DESCRIPTION	DATE	APPROVED	
-		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: 15dB Typ.
- Gain Flatness: +/-0.5dB 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: 225mA Max.

Features:

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

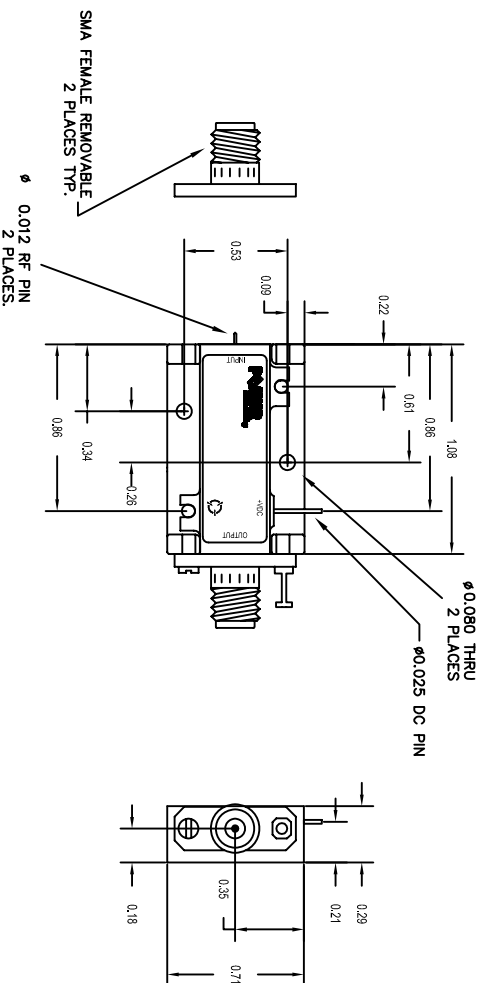
Available Options:

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

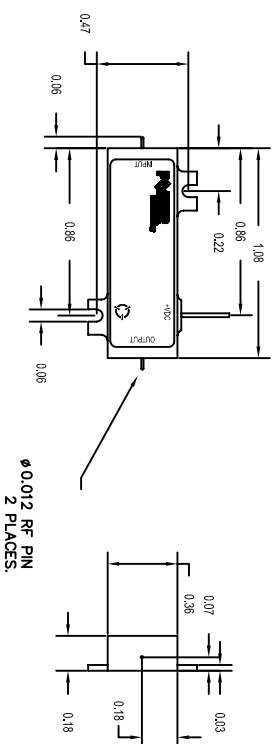
Environmental Ratings:

- 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:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.010 ±
.XXX ± 0.005

PART NO.		DATE		DATE		DATE	
MATERIAL:		K. Mason		2/27/03		DATE	
6061-T6 Aluminum		FINISH:		B. 1LK53		DATE	
Gold Plating over Nickel		DO NOT SCALE DRAWING		N/A		DATE	

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE
PE2-15-1801R5-5R5-22-12-SFF

WEB - MODEL A

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