

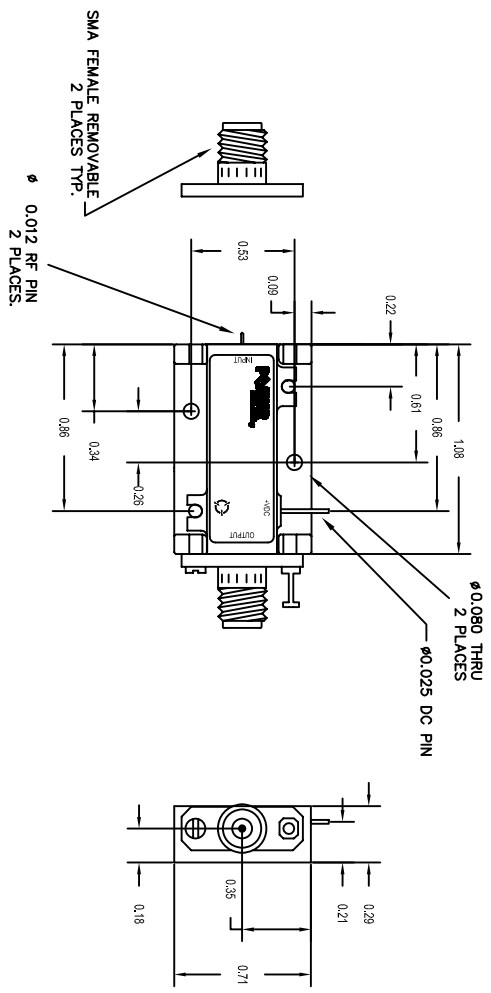
REV	DATE	APPROVED
1	2/7/98	

REVISIONS

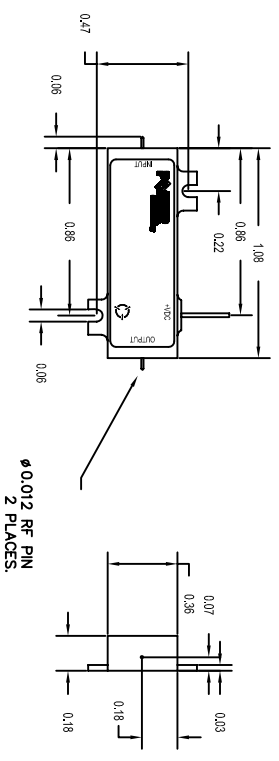
DATE APPROVED
2/7/98

ORIGINAL RELEASE

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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: 5.0 to 6.0 GHz
- Gain: 45dB Typ.
- Gain Flatness: +/-0.5dB Max.
- Noise Figure: 2.0dB Typ.
- OP1dB: 19dBm Min.
- VSWR Input/Output: 2.0:1 Max.
- DC Voltage Supply: +12 to +15V/DC
- DC Current Draw: 380mA 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.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS .XX ± 0.010
DECIMALS .XXX ± 0.005
ANGLES ±

MATERIAL:		FINISH:	
6061-T6 Aluminum	6061-T6 Aluminum	Gold Plate over Nickel	Gold Plate over Nickel
DO NOT SCALE DRAWING			

DATE	BY	APPROVALS	DATE	BY	APPROVALS
2/27/98		K. MASON			

7715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE
PE2-45-580680-280-21-12-SF

WEB - MODEL A

REV 1 OF 1

