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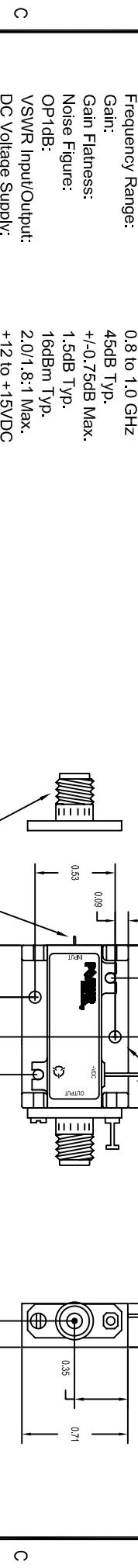
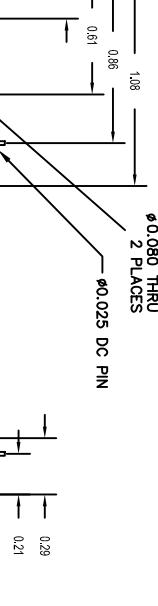
DATE REC'D.	REVISIONS	DATE APPROVED
—	ORIGINAL RELEASE	2/1/98

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:

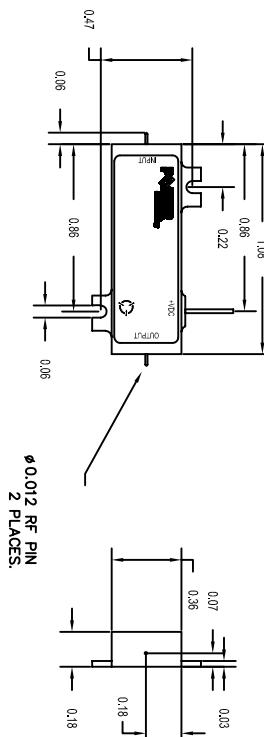
Frequency Range: 0.8 to 1.0 GHz
 Gain: 45dB Typ.
 Gain Flatness: +/-0.75dB Max.
 Noise Figure: 1.5dB Typ.
 OP1dB: 16dBm Typ.
 VSWR Input/Output: 2.0/1.8:1 Max.
 DC Voltage Supply: +12 to +15V/DC
 DC Current Draw: 100mA Max.



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

PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)

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.

Altitude: MIL-STD-202F, METHOD 213B COND B.

Temperature Cycle: MIL-STD-202F, METHOD 105C COND B.

Note: The above specifications are subject to change or revision.

A

B

D

A

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES

TOLERANCES ARE:
 DECIMALS ± .005 ANGLES ± 1°

FRACTIONS .XX ± 0.010 ANGLES ± 1°

.XXX ± 0.005 ANGLES ± 1°

DO NOT SCALE DRAWING

5715 Industry Lane, Unit 11
 FREDERICK, MARYLAND

2/2/98 DATE

PRD-22-1007-1R5-8-12-SFF

PRODUCT FEATURE

REF ID: 6061-T6

MATERIAL: Aluminum

FINISH: Gold Plate over Nickel

FINISH: Gold Plate over Nickel</p