

8 7 6 5 4 3 2 1

DATE REC.	RE. NO.
-	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: 8.0 to 18.0 GHz
 Gain: 15dB Typ.
 Gain Flatness: +/-1.5dB Max.
 Noise Figure: 3.5dB Typ.
 OP1dB: 20dBm Min.
 VSWR Input/Output: 2.0:1 Max.
 DC Voltage Supply: +12 to +15V/DC
 DC Current Draw: 225mA Max.

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

B

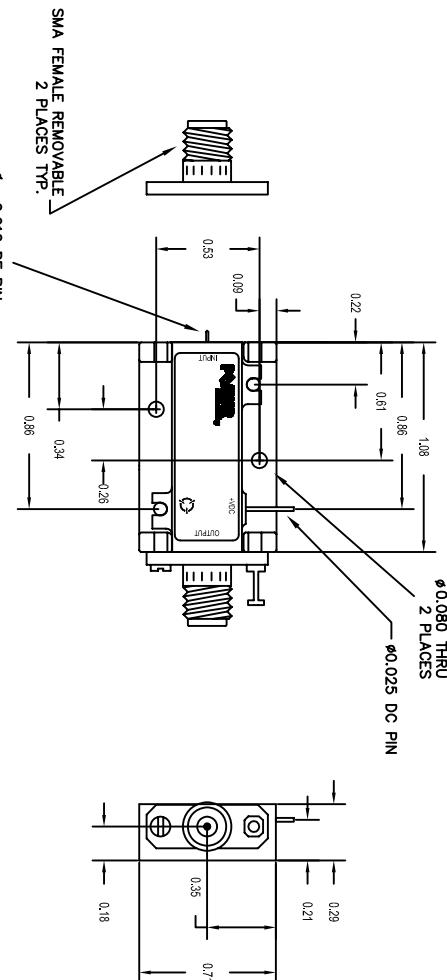
Available Options:
 Various Package types
 Various Connector types
 Temperature Compensation
 Hermetic Sealing
 Gain and Phase Matching
 MIL-STD-883 Screening Available

A

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.

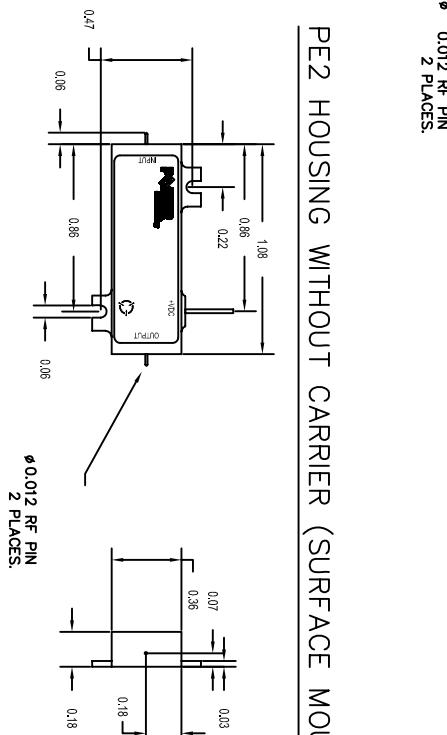
D

PE2 HOUSING WITH CARRIER



C

PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



B C D

A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ± FRACTIONS ± ANGLES ± XX ± 0.010 .000 ± 0.005		Part No.	Print No.	APPROVALS	Date	5715 Industry Ave, Unit 11 FREDERICK, MARYLAND
MATERIAL:	6061-T6 Aluminum	REV. B	5715	K. Mason	2/2/98	PE2-15-8801BRO-305-22-12-SFF
FINISH:	Gold Plate over Nickel	REV. B	10K53	WEB	2/2/98	WEB - MODEL A
do not scale drawing		scale N/A				scale 1 OF 1