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ITEM NO.	DESCRIPTION	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.

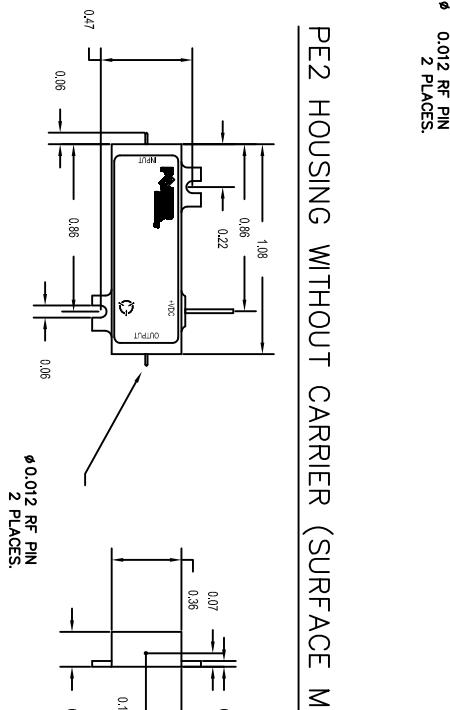
Specifications:

Frequency Range: 2.0 to 4.0 GHz
 Gain: 30dB Typ.
 Gain Flatness: +/-1.0dB Max.
 Noise Figure: 1.5dB Typ.
 OP1dB: 19dBm Min.
 VSWR Input/Output: 2.0:1 Max.
 DC Voltage Supply: +12 to +15V/DC
 DC Current Draw: 300mA Max.

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

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



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)

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.

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UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 ± .005 DECIMALS ANGLES
 ± .005 .XX ± 0.010 ± 1°
 .XXX ± 0.005 .005 .005
 Gold Plated over Nickel
 do not scale drawing

PE2 HOUSING WITH CARRIER

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5715	Industry One, Unit 11 FREDERICK, MARYLAND	2/1/98	

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PRD-20-2R04R0-1R5-21-12-SFF	PRODUCT FEATURE	2/1/98	

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