

REVISIONS				DATE	APPROVED
2	REV	DESCRIPTION		8/7/08	
-		ORIGINAL RELEASE			

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

Available Options:

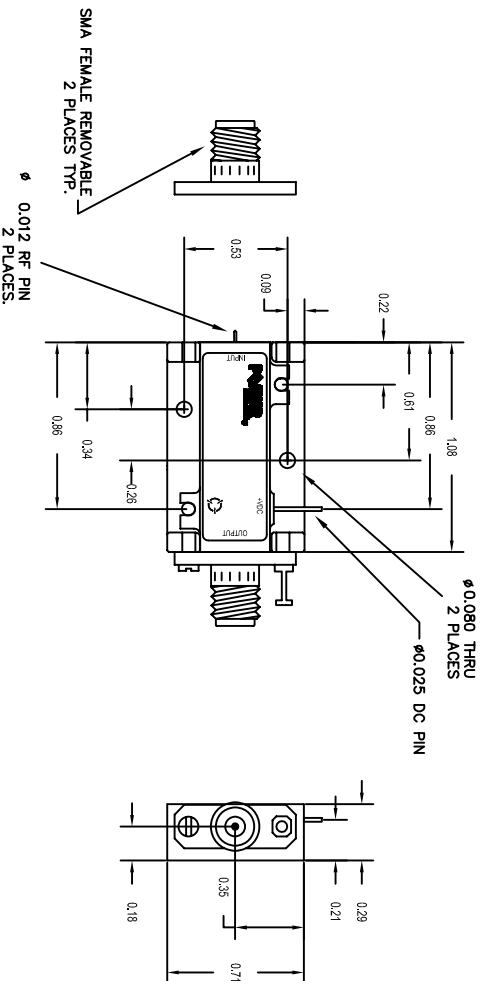
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

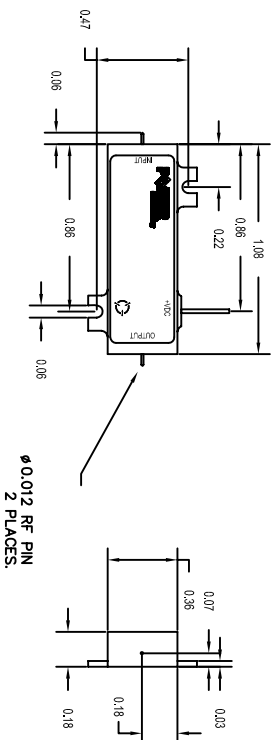
Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
DO NOT SCALE DRAWING

		5715 Industry Lane, Unit 11 FREDERICK, MARYLAND	
PART NO.		APPROVALS	DATE
MATERIAL: 6061-T6 Aluminum		STEVEN K. MASON	8/21/08
FINISH: Gold Plate over Nickel		TOLERANCES ARE:	FRACTIONS DECIMALS ANGLES
DO NOT SCALE DRAWING		XX ± 0.010	.XXX ± 0.005
TITLE PRODUCT FEATURE PEZ-215-BR03R0-365-22-12-SF			
REV		DATE	
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1LK53		8/21/08	
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