

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

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: 15.0 to 16.0 GHz
- Gain: 15dB Typ.
- Gain Flatness: +/-0.5dB Max.
- Noise Figure: 3.5dB Typ.
- OP1dB: 19dBm Min.
- VSWR Input/Output: 2.0:1 Max.
- DC Voltage Supply: +12 to +15VDC
- DC Current Draw: 225mA Max.

Features:

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

Available Options:

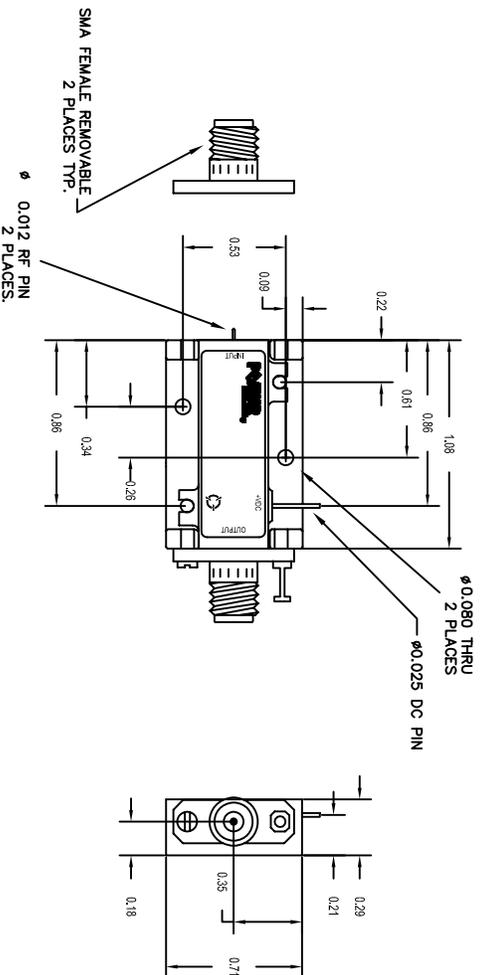
- Various Package types
- Various Connector types
- Temperature Compensation
- Hermetic Sealing
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

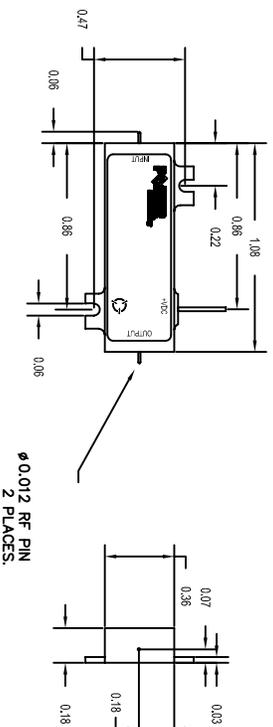
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available)
- Humidity: MIL-STD-202F, METHOD 103B COND B.
- Shock: MIL-STD-202F, METHOD 2138 COND B.
- Altitude: MIL-STD-202F, METHOD 105C COND B.
- Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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 .XX ± 0.010
DECIMALS .XXX ± 0.005
ANGLES ±

MATERIAL:		6061-T6 Aluminum	
FINISH:		Gold Plate over Nickel	
PART NO.		5715 Industry Lot#6, Unit 11	
APPROVALS		K. MASON	
DATE		2/21/08	
TITLE		PRODUCT FEATURE	
MFG PART NO.		PE2-15-15G165-3R5-21-12-SF	
MFG PART NO.		B.1LK53	
MFG PART NO.		WEB - MODEL	
MFG PART NO.		A	
MFG PART NO.		1 OF 1	