

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: 1.5 to 2.0 GHz
Gain: 30dB Typ.
Gain Flatness: +/-0.5dB Max.
Noise Figure: 5.0dB Typ.
OP1dB: 20dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 300mA Max.

Features:

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

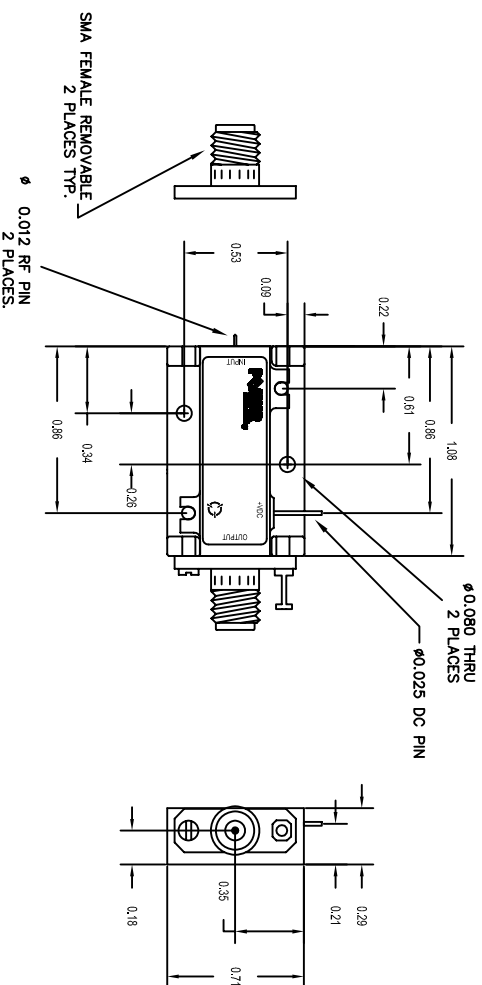
Available Options:

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

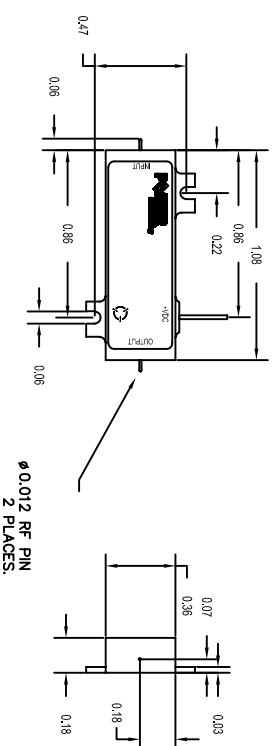
Environmental Ratings:

- 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 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 FRACTIONS DECIMALS ANGLES		TOLERANCES ARE:		ANGLES	
±		XX ± 0.010		±	
.XXX ± 0.005					
MATERIAL: 6061-T6 Aluminum		FINISH: Gold Plate over Nickel		DO NOT SCALE DRAWING	
PART NO.		DATE		REV	
APPROVALS		DATE		REV	
K. Mason		8/21/08		1	
5715 Industry Lane, Unit 11		FREDERICK, MARYLAND		PRODUCT FEATURE	
PE2-30-1R52R0-5R0-2E-12-SFF		B. 1LK53		WEB - MODEL	
REV		REV		REV	
1 OF 1					