

REVISIONS				DATE	APPROVED
2	REV	DESCRIPTION		8/7/09	
-		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: 2.0 to 12.0 GHz
Gain: 16dB Typ.
Gain Flatness: +/-1.5dB Max.
Noise Figure: 2.5dB Typ.
OP1dB: 8dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 65mA Max.

Features:

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

Available Options:

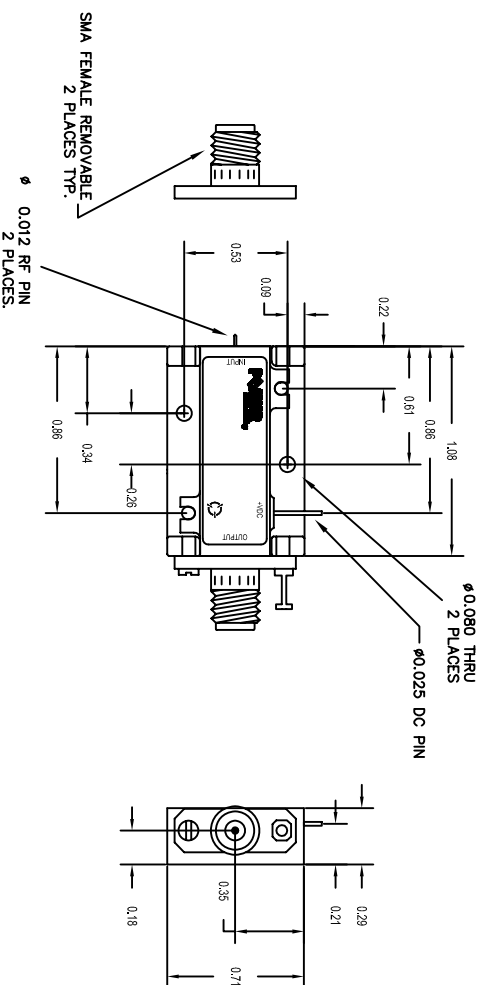
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

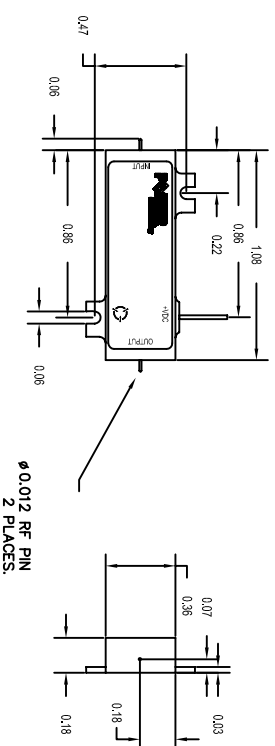
Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± ± ±
.XXX ± 0.005

PART NO.		DATE		REVISION	
MATERIAL:		DATE		REVISION	
6061-T6 Aluminum		8/21/09		1	
FINISH:		DATE		REVISION	
Gold Plate over Nickel		8/21/09		1	
DO NOT SCALE DRAWING		DATE		REVISION	
N/A		8/21/09		1	

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE

PE2-16-2R012R0-2R5-10-12-SFF
B 1LK53
WEB - MODEL A