

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: 4.0 to 5.0 GHz
Gain: 30dB Typ.
Gain Flatness: +/-0.5dB Max.
Noise Figure: 2.0dB Typ.
OP1dB: 13dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 140mA Max.

Features:

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

Available Options:

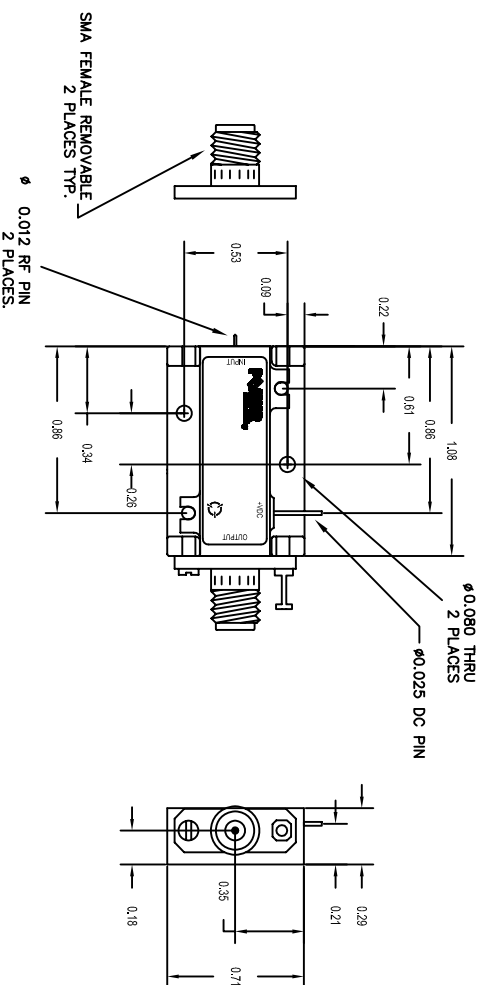
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

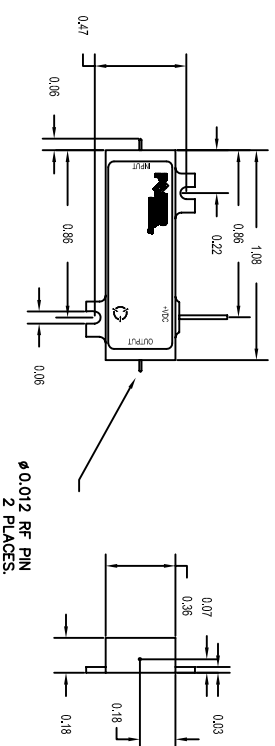
Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PART NO.		APPROVALS		DATE		TITLE		REV		DATE		REV	
MATERIAL:		6061-T6 Aluminum		8/21/08		K. MASON		0.005		0.005		0.005	
FINISH:		Gold Plate over Nickel		N/A		N/A		N/A		N/A		N/A	
TOLERANCES ARE:		FRACTIONS		DECIMALS		ANGLES		±		±		±	
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES											
DO NOT SCALE DRAWING													

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE
PE2-30-480580-280-15-12-SFF

B. 1LK53

WEB - MODEL A