

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:
15dB 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:
225mA Max.

Features:

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

Available Options:

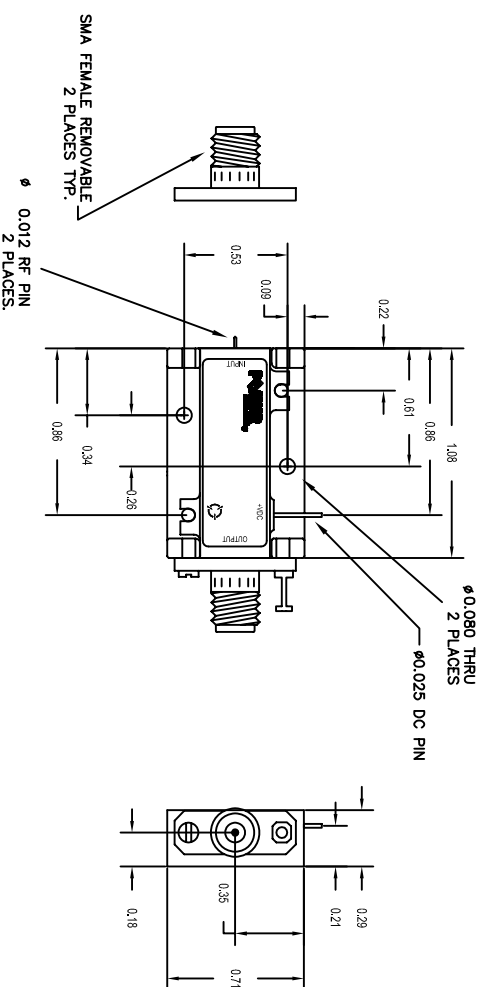
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

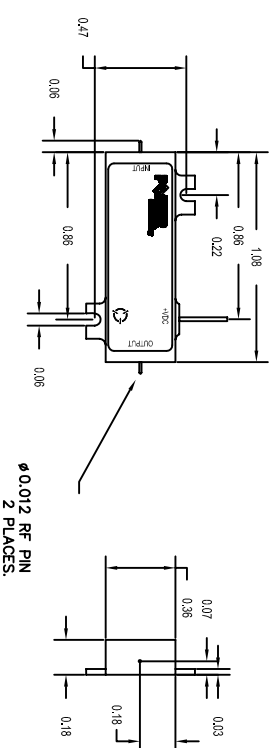
Temperature:
-20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
Humidity:
MIL-STD-202F, METHOD 103B COND B.
Shock:
MIL-STD-202F, METHOD 213B COND B.
Altitude:
MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PART NO.		DATE		DATE		DATE		DATE	
MATERIAL:		6061-T6 Aluminum		K. Mason		8/21/08		DATE	
FINISH:		Gold Plate over Nickel		N/A		N/A		N/A	
TOLERANCES ARE:		FRACTIONS		DECIMALS		ANGLES		±	
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES		.XX ± 0.010		.XXX ± 0.005		DO NOT SCALE DRAWING	
MATERIAL:		6061-T6 Aluminum		K. Mason		8/21/08		DATE	
FINISH:		Gold Plate over Nickel		N/A		N/A		N/A	
TOLERANCES ARE:		FRACTIONS		DECIMALS		ANGLES		±	
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES		.XX ± 0.010		.XXX ± 0.005		DO NOT SCALE DRAWING	

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FREDERICK, MARYLAND

PRODUCT FEATURE

PE2-15-1R52R0-5R0-22-12-SFF

B. 1LK53 WEB - MODEL A