

REVISIONS				DATE	APPROVED
200	REV	DESCRIPTION	DATE		
-		ORIGINAL RELEASE	2/7/03		

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: 0.5 to 4.0 GHz
Gain: 45dB Typ.
Gain Flatness: +/-1.0dB Max.
Noise Figure: 4.5dB Typ.
OP1dB: 13dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 200mA Max.

Features:

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

Available Options:

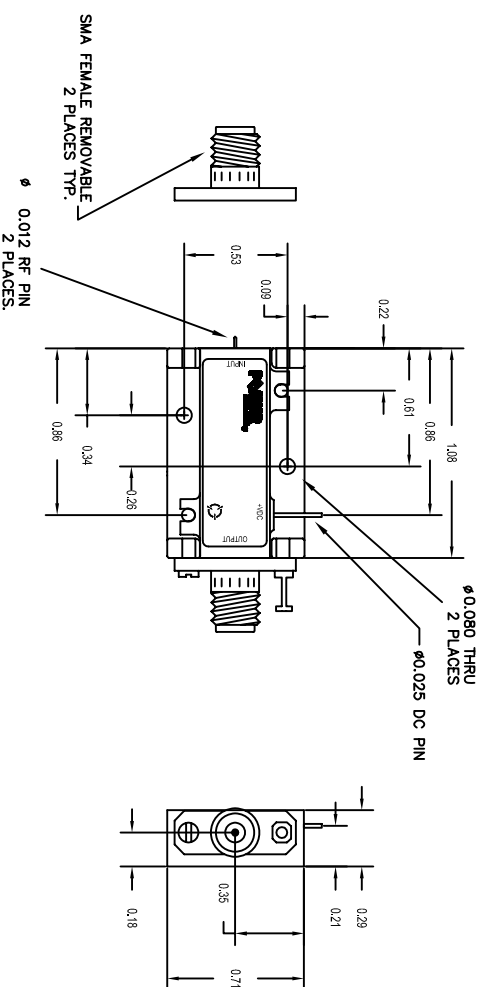
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

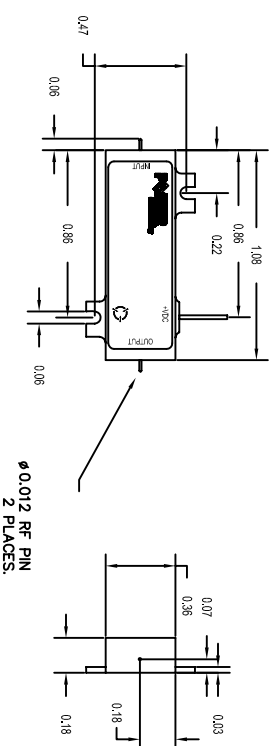
Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



MATERIAL:		FINISH:		DO NOT SCALE DRAWING	
6061-T6 Aluminum		Gold Plate over Nickel			
TOLERANCES ARE:		ANGLES			
FRACTIONS		DECIMALS			
XX ± 0.010		±			
.XXX ± 0.005		±			
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES			
PART NO.		DATE			
APPROVALS		DATE			
K. Mason		2/21/03			
5715 Industry Lane, Unit 11		FREDERICK, MARYLAND			
PRODUCT FEATURE		PE2-45-0854R0-4R5-15-12-SFF			
B. 1LK53		WEB - MODEL			
REV		REV			
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