

REVISIONS				DATE	APPROVED
200	REV	DESCRIPTION			
-		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:
Gain:
Gain Flatness:
Noise Figure:
OP1dB:
VSWR Input/Output:
DC Voltage Supply:
DC Current Draw:
- 1.5 to 2.0 GHz
45dB Typ.
+/-0.75dB Max.
4.25dB Typ.
13dBm Min.
2.0:1 Max.
+12 to +15VDC
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:

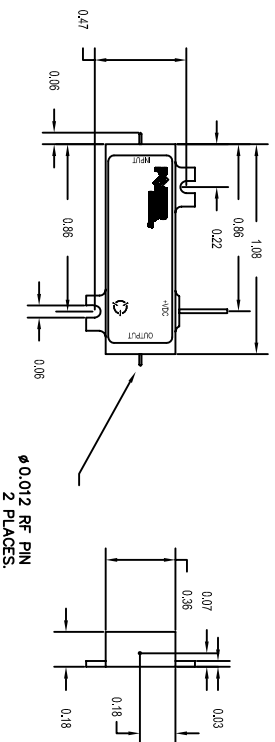
- Temperature:
Humidity:
Shock:
Altitude:
Temperature Cycle:
- 20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
MIL-STD-202F, METHOD 103B COND B.
MIL-STD-202F, METHOD 213B COND B.
MIL-STD-202F, METHOD 105C COND B.
MIL-STD-202F, METHOD 107D COND A

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
XXX ± 0.005

PART NO.		DATE		DATE		DATE		DATE	
MATERIAL:		6061-T6 Aluminum		K. Mason		2/21/03		DATE	
FINISH:		Gold Plate over Nickel		N/A		N/A		N/A	
DO NOT SCALE DRAWING		N/A		N/A		N/A		N/A	

5715 Industry Lane, Unit 11
FREDERICK, MARYLAND

PRODUCT FEATURE
PE2-45-1R52R0-4R25-15-12-SFF
B 1LK53
WEB - MODEL A

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