

REVISIONS				DATE	APPROVED
2	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: 2.0 to 12.0 GHz
Gain: 30dB Typ.
Gain Flatness: +/-1.0dB Max.
Noise Figure: 4.0dB Typ.
OP1dB: 20dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15V/DC
DC Current Draw: 325mA 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:

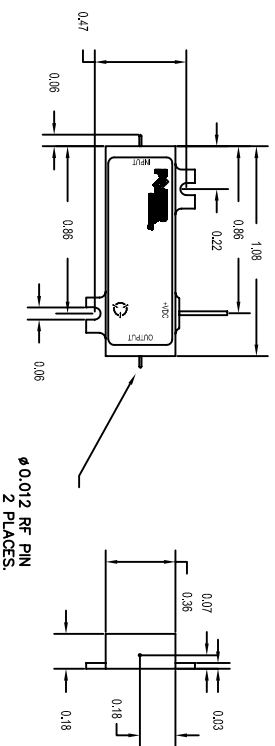
- Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C (Available)
-55 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.010 ±
.XXX ± 0.005

PART NO.		DATE		TITLE	
MATERIAL:		APPROVALS		DATE	
6061-T6 Aluminum		K. Mason		2/27/03	
FINISH:		TOLERANCES ARE:		TITLE	
Gold Plate over Nickel		FRACTIONS DECIMALS ANGLES		PE2-30-28012R0-4R0-22-12-SFF	
DO NOT SCALE DRAWING		B. 1LK53		WEB - MODEL A	
REV N/A		REV 1 OF 1		REV 1 OF 1	

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FREDERICK, MARYLAND

PRODUCT FEATURE

PE2-30-28012R0-4R0-22-12-SFF

WEB - MODEL A