

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: 10.0 to 11.0 GHz
Gain: 45dB Typ.
Gain Flatness: +/-0.75dB Max.
Noise Figure: 1.5dB Typ.
OP1dB: 17dBm Typ.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 250mA Max.

Features:

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

Available Options:

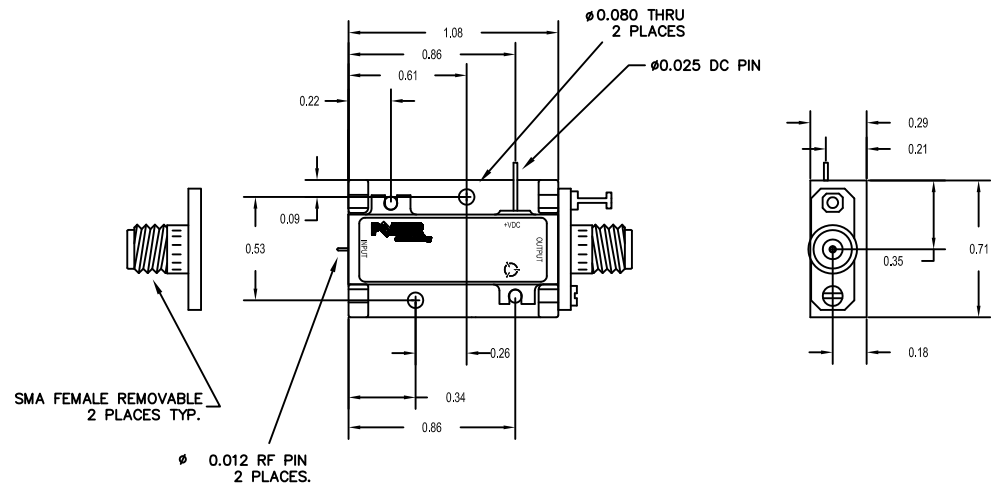
Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

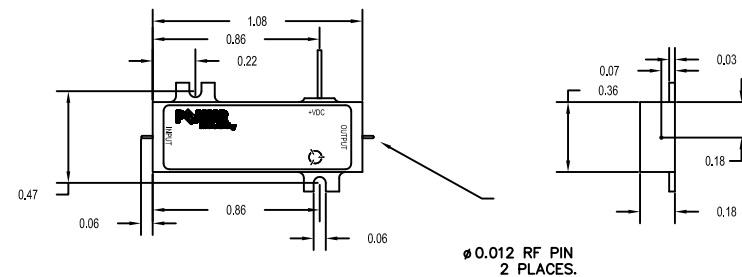
Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available)
-55 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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		DRAWN		CHECKED		APPROVED	
6061-T6 Aluminum		KM		1/28/11							
FINISH:		Gold Plate over Nickel									
DO NOT SCALE DRAWING											
MATERIAL:		6061-T6 Aluminum		FINISH:		Gold Plate over Nickel		DO NOT SCALE DRAWING			
SIZE		1LK53		QWS NO.		27014121		REV		A	
SCALE		N/A		SHEET		1 OF 1					