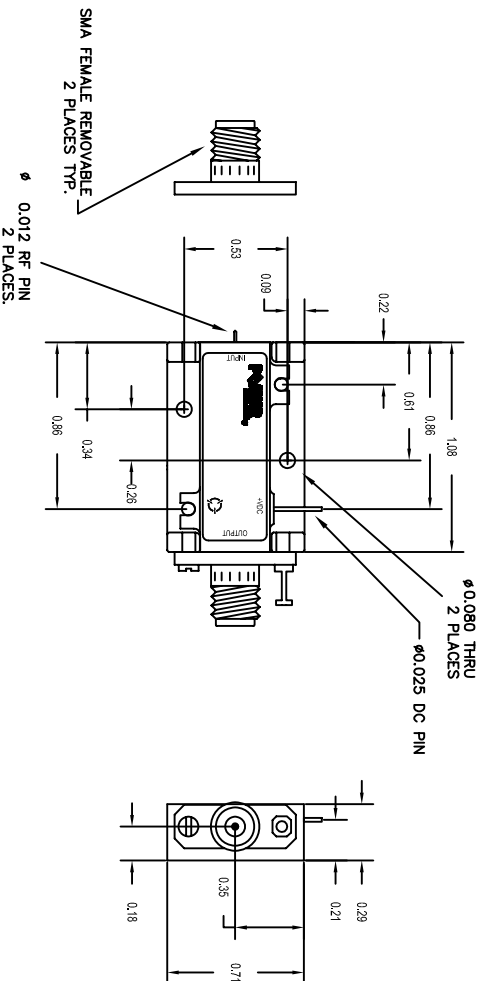
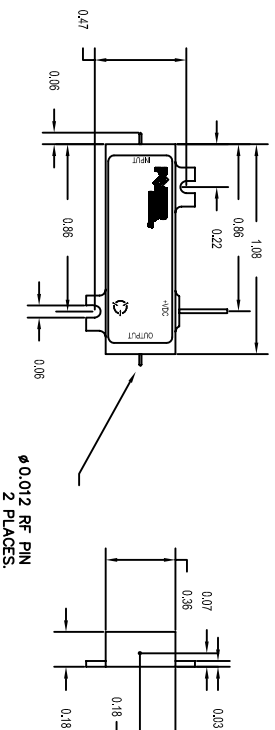


REV		DESCRIPTION		DATE		APPROVED	
1	-	ORIGINAL RELEASE		2/7/08			

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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 10.0 GHz
- Gain: 45dB Typ.
- Gain Flatness: +/-1.25dB Max.
- Noise Figure: 4.0dB 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 2138 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.

MATERIAL:		FINISH:		MATERIAL:		FINISH:	
6061-T6 Aluminum		Gold Plate over Nickel		6061-T6 Aluminum		Gold Plate over Nickel	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES		± .XXX ± 0.005		± .XXX ± 0.005		± .XXX ± 0.005	
PART NO.		DATE		DATE		DATE	
K/MASON		2/21/08		2/21/08		2/21/08	
PRODUCT FEATURE		PE2-45-2801080-4RD-15-12-SFF		B.1LK53		WEB - MODEL A	
5715 Industry Lane, Unit 11		FREDERICK, MARYLAND					
REV		REV		REV		REV	
1 OF 1		1 OF 1		1 OF 1		1 OF 1	