

# ASC2601C

## 1200-1700 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 1200-1700 MHz.
- Power Out ..... 13 dBm.
- Medium Gain ..... 20 dB.
- Low Noise..... 1.5 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

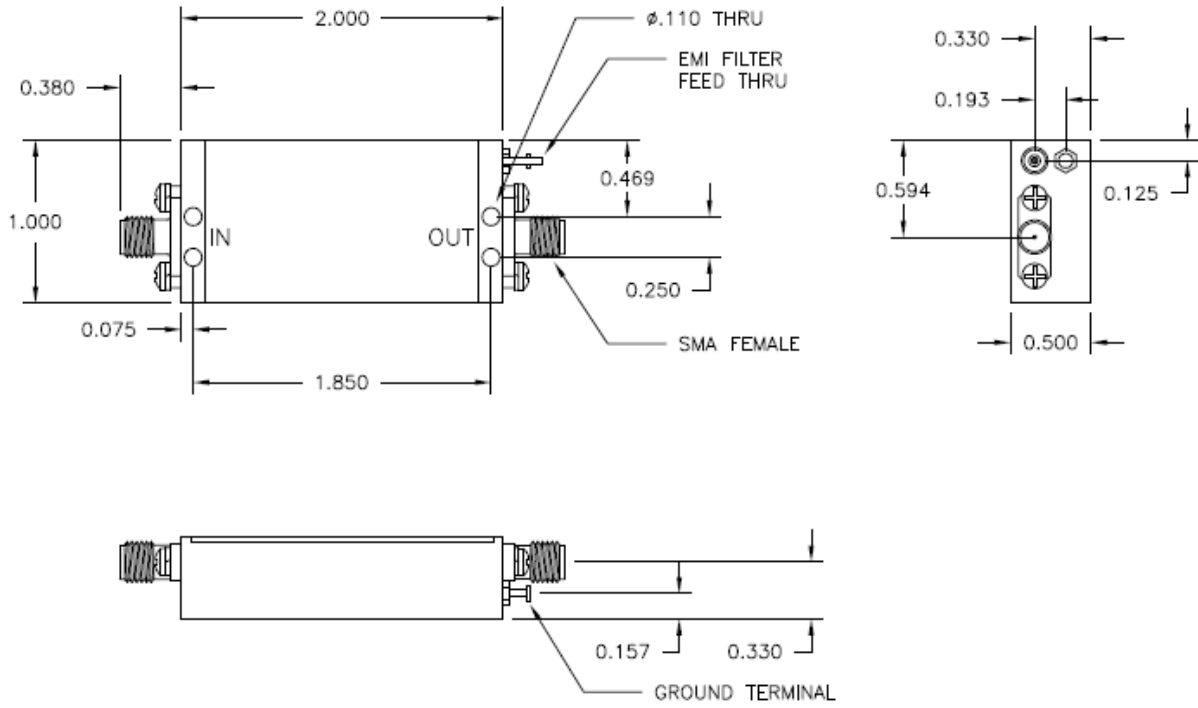
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... 13 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		1200	1700	MHz.
Gain	20	19		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+13	+8		dBm.
Noise Figure	1.5		1.8	dB.
IP <sub>3</sub> @ two input tone of +10dBm	37			dBm.
VSWR In/Out	1.7:1		2.5:1	
Supply Required	+15/75		+15/100	v/mA.

Min. and max. Values are from -20°C to +75°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM

