

# ASC2691C

## 600-3000 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 600-3000 MHz.
- Power Out ..... 18 dBm.
- Medium Gain .....27 dB.
- Noise Figure.....1.2 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

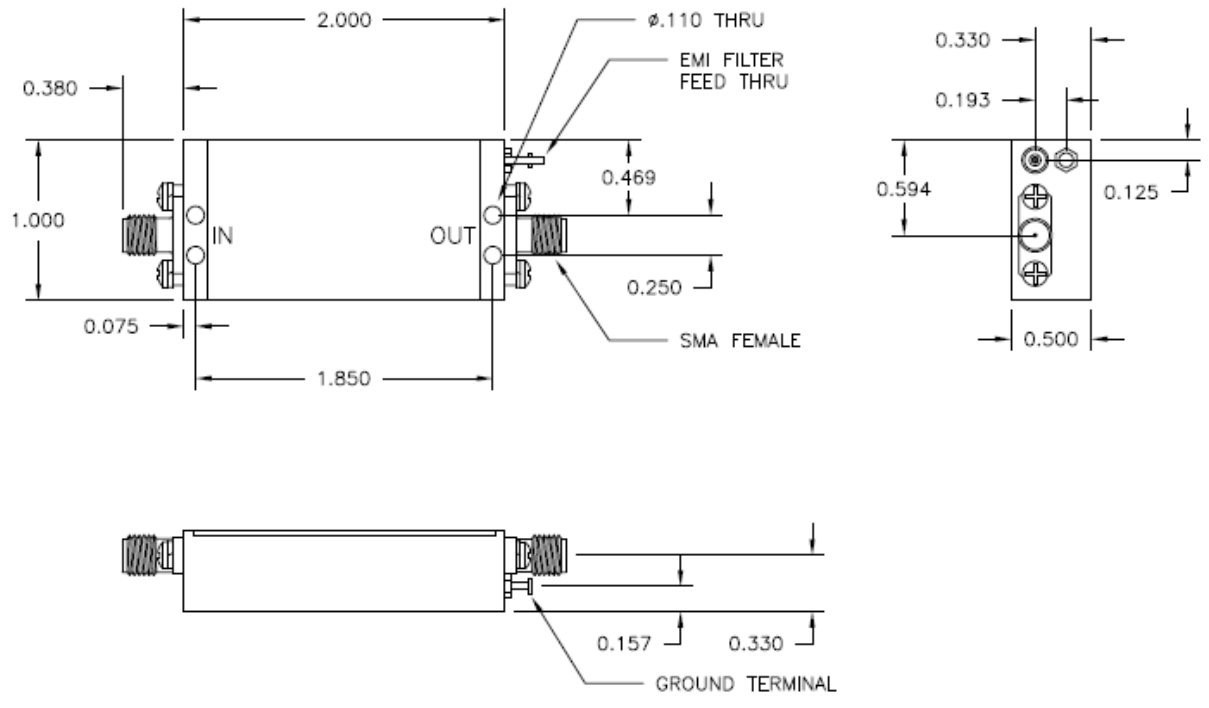
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +12 volts  
 RF Input Power ..... 0 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

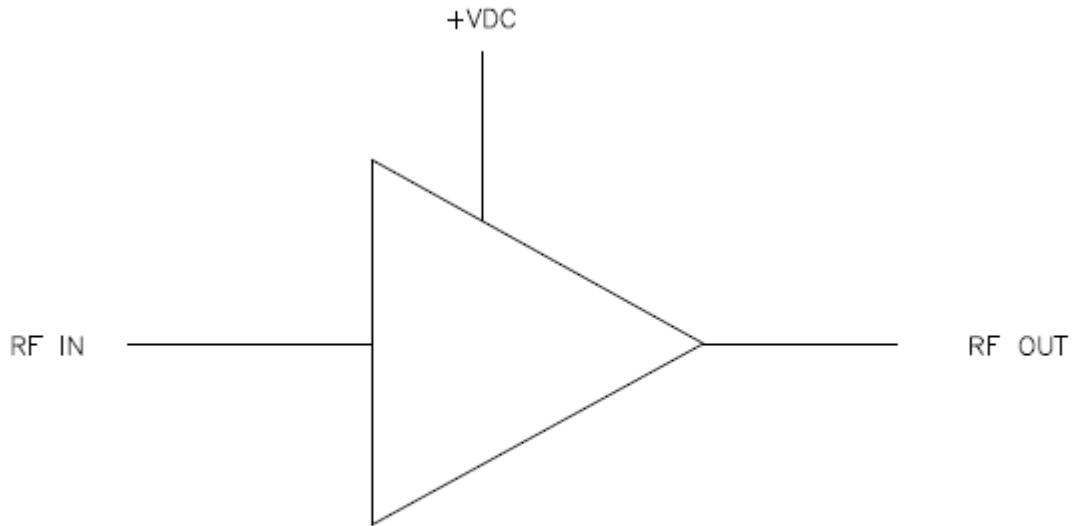
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		600	3000	MHz.
Gain	27	25		dB.
Gain Flatness	±1.0		±1.5	dB.
Pout @ 1dB Comp	+18	+15		dBm.
Noise Figure	1.2		1.5	dB.
IP <sub>3</sub> @ two input tone of +5dBm	33	25		dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+12/150		+12/200	v/mA.

Min. and max. Values are from -20°C to +70°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED