

# ASC2607C

## 30-2000 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 30-2000 MHz.
- Power Out ..... 17 dBm.
- Medium Gain ..... 32 dB.
- Reverse Polarity Protection Optional
- No external components required

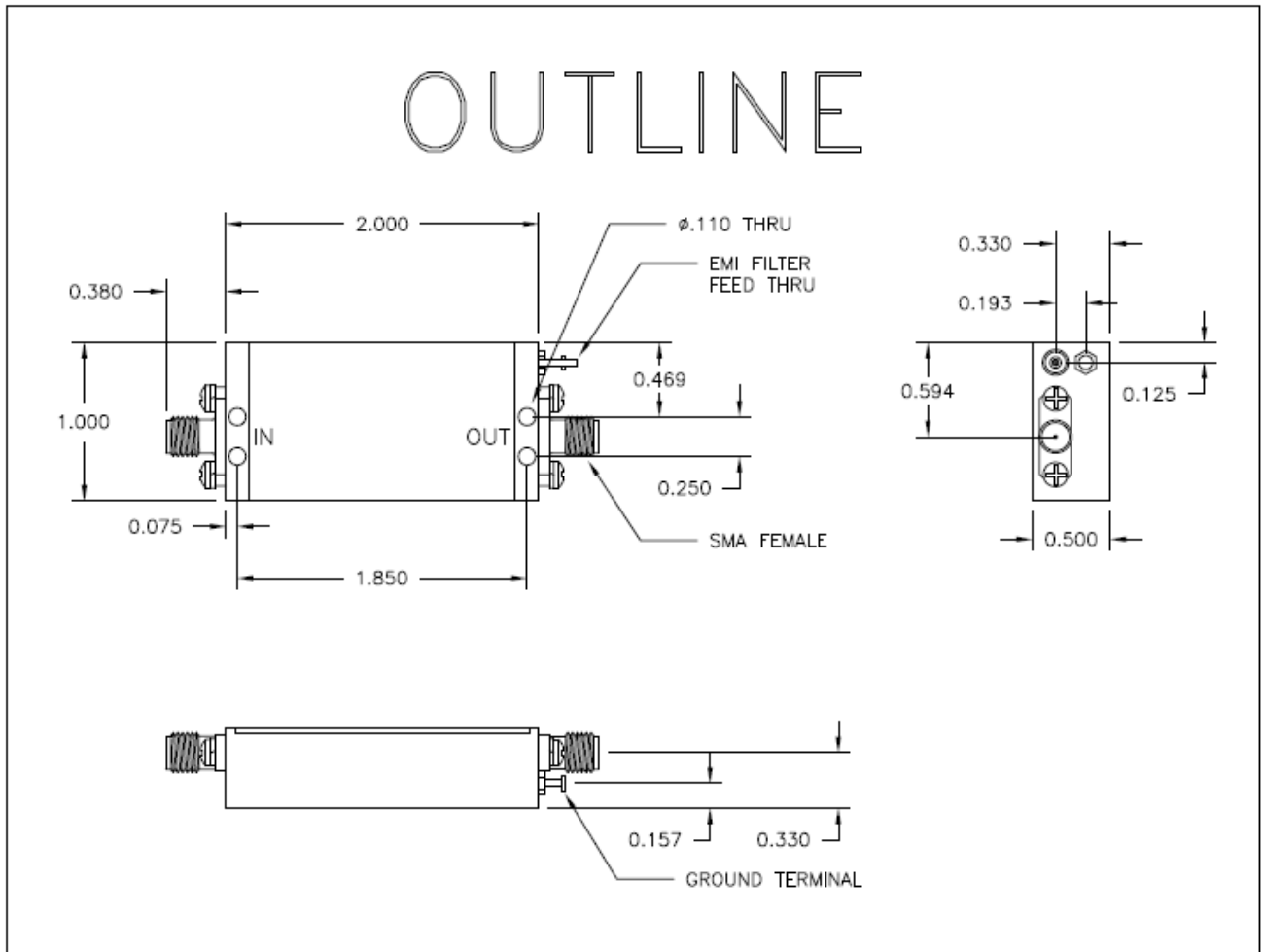
### Maximum Ratings

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... + 0 dBm.  
 Case Temperature ..... +100°C

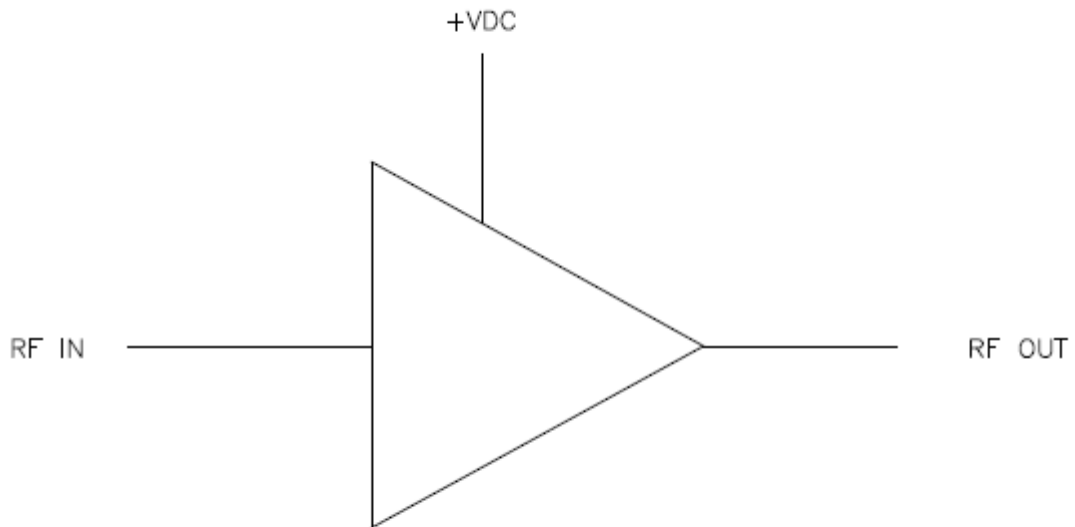
Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		30	2000	MHz.
Gain	32	30		dB.
Gain Flatness	±0.7		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+17	+15		dBm.
Noise Figure	1.2		1.7	dB.
IP <sub>3</sub> @ two input tone of +5dBm	30			dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+15/170		+15/200	v/mA.

Min. and max. Values are from -40°C to +80°C



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED