

# ASC2623C

## 50-1000 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 50-1000 MHz.
- Power Out ..... 25 dBm.
- Gain ..... 30 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

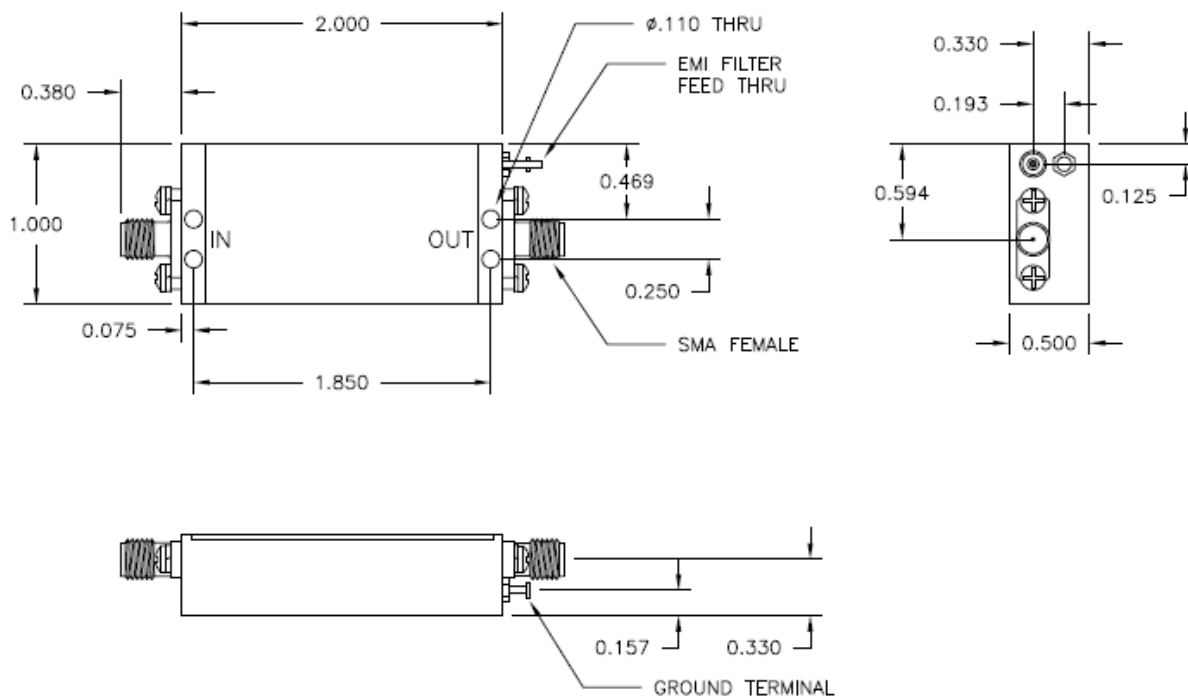
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +10 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

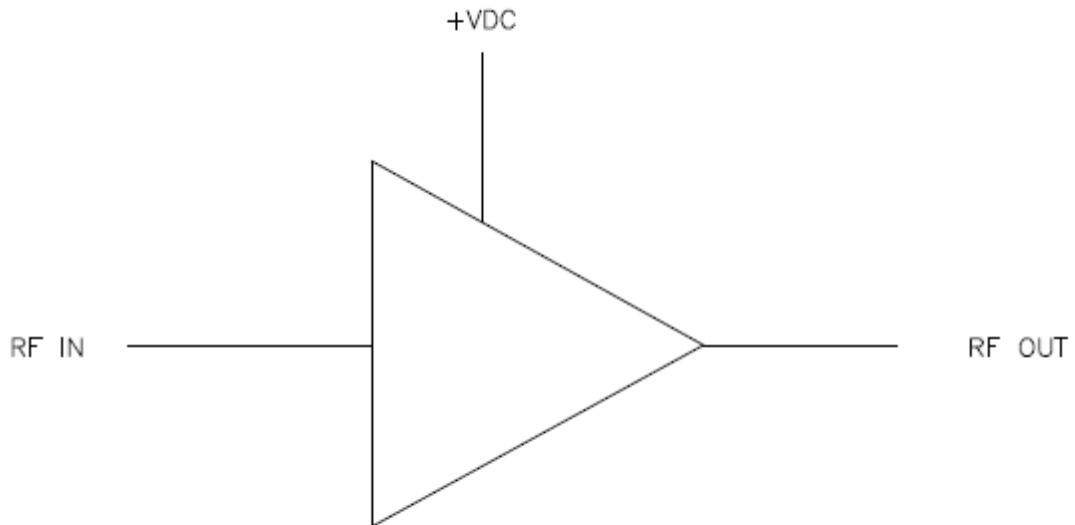
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		50	1000	MHz.
Gain	30	28		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+25	+20		dBm.
Noise Figure	4.0		5.0	dB.
IP <sub>3</sub> @ two input tone of +5dBm	35			dBm.
VSWR In/Out	1.3:1		1.5:1	
Supply Required	+15/200		+15/250	v/mA.

Min. and max. Values are from -10°C to +60°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED