

# ASC2631C

## 2200-2400 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 2200-2400 MHz.
- Power Out ..... 15 dBm.
- Gain ..... 42 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

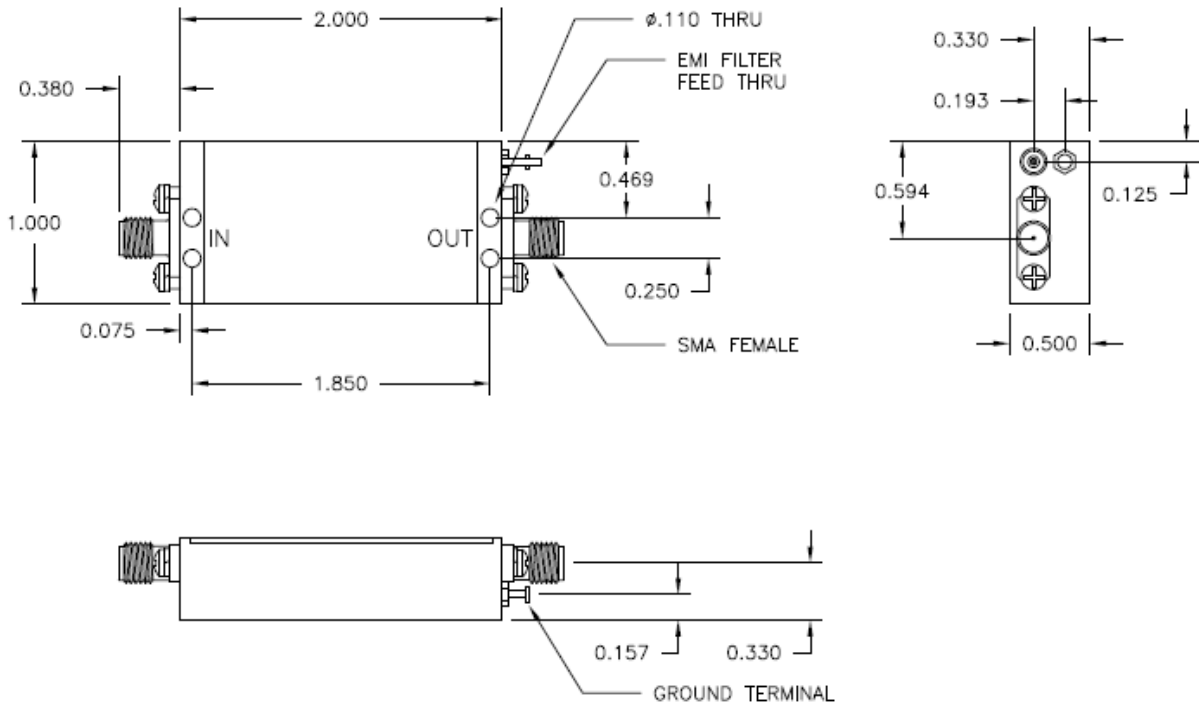
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +12 volts  
 RF Input Power ..... -20 dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

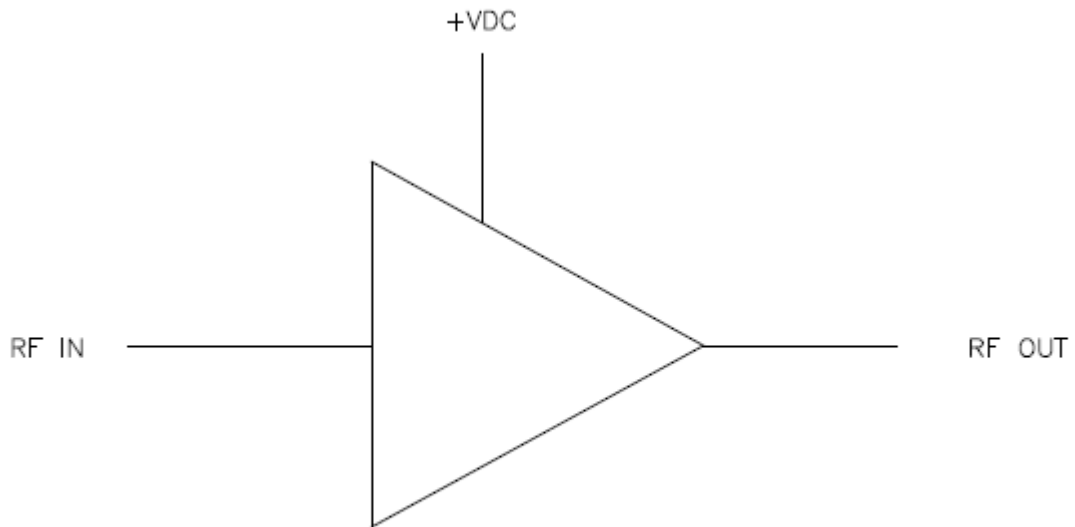
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2200	2400	MHz.
Gain	42	40		dB.
Gain Flatness	±0.4		±0.75	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+15	+10		dBm.
Noise Figure	0.7		1.0	dB.
IP <sub>3</sub> @ two input tone of +5dBm	30			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Required	+12/200		+12/220	v/mA.

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

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED