

# ASC2554C

## 10-2500 MHz Amplifier



### Features: (typical values)

- Bandwidth ..... 10-2500 MHz.
- Power Out ..... 18 dBm.
- Gain ..... 26 dB.
- Reverse Polarity Protection Optional
- No external components required

### Maximum Ratings

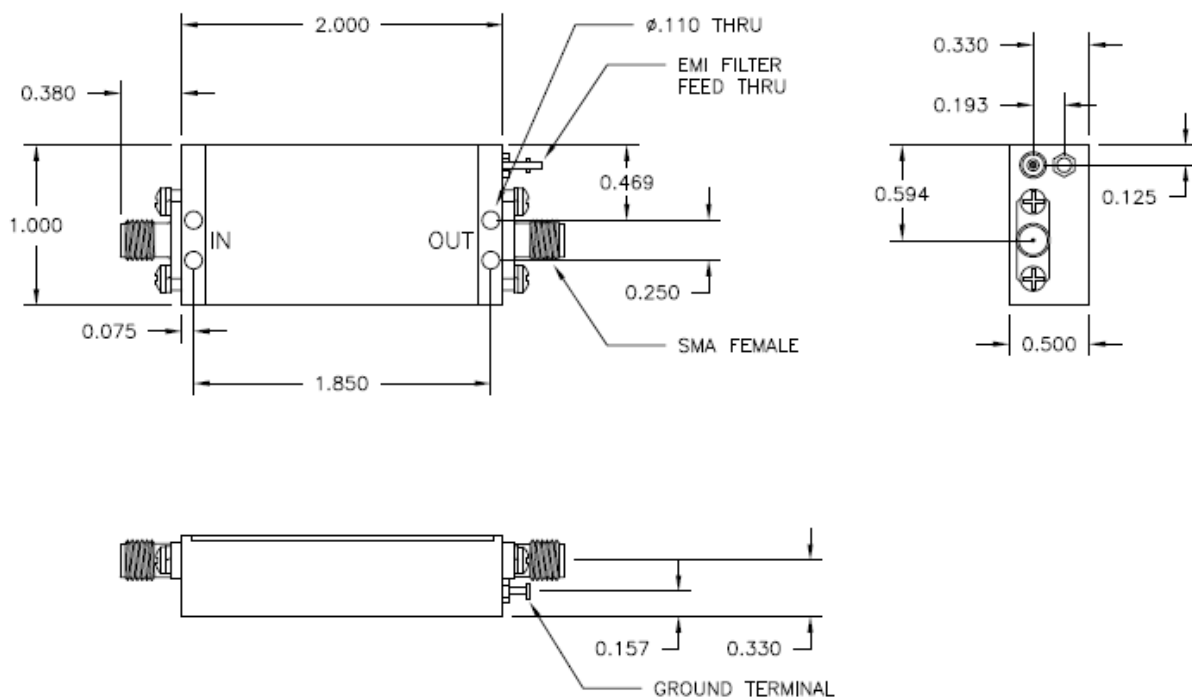
Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... 10dBm.  
 Case Temperature ..... +100°C

Specifications (Referenced to 50 ohms)

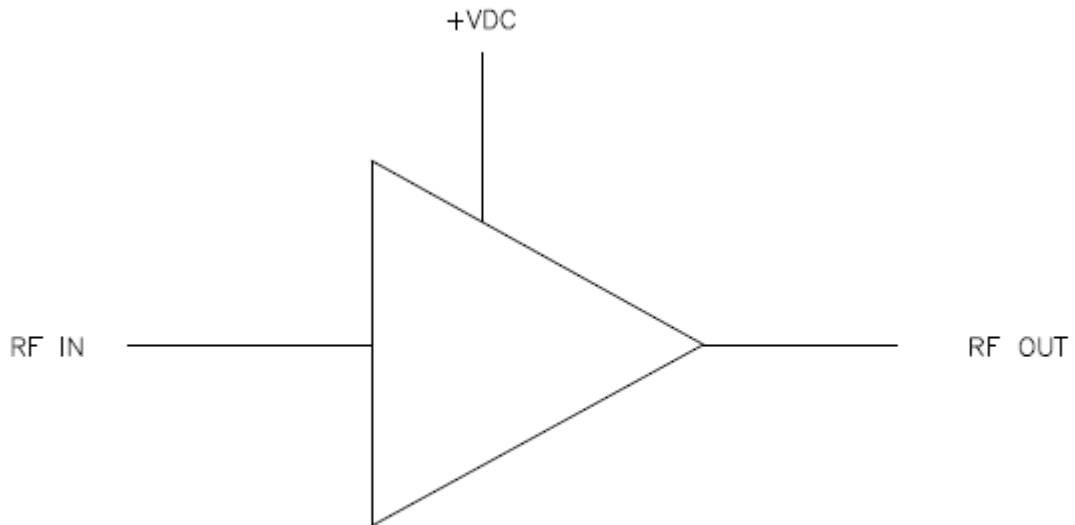
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	2500	MHz.
Gain	26	20	30	dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+18	+15		dBm.
Noise Figure from 100-2500 MHz	2.5		3.0	dB.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+15/200		+15/250	v/mA.

Min. and max. Values are from -20°C to +60°C

# OUTLINE



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED