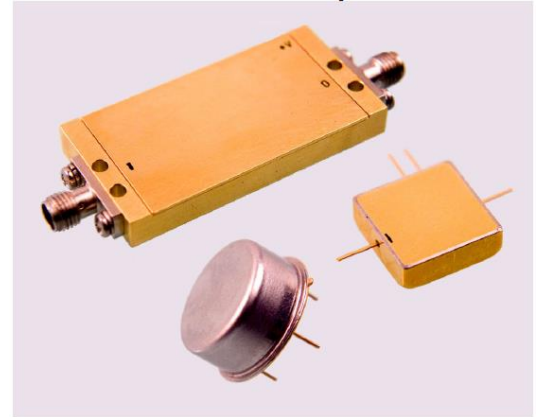


# ASC2674C

## Features: (typical values)

- Bandwidth ..... 10-1500 MHz.
- Power Out ..... 23 dBm.
- Gain ..... 12 dB.
- No external components required

## 10 - 1500 MHz Amplifier



## Maximum Ratings

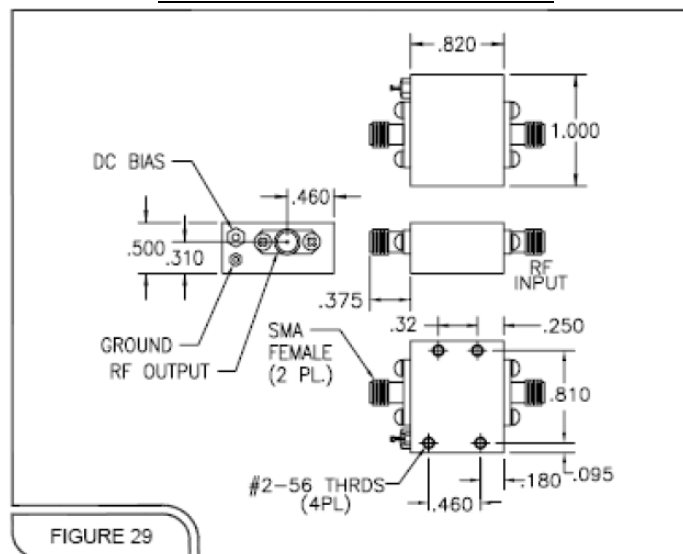
Storage Temperature ..... -62°C to +150°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... .27 dBm.  
 Operating Case Temperature ..... -55°C to +85°C

Specifications (Referenced to 50 ohms)

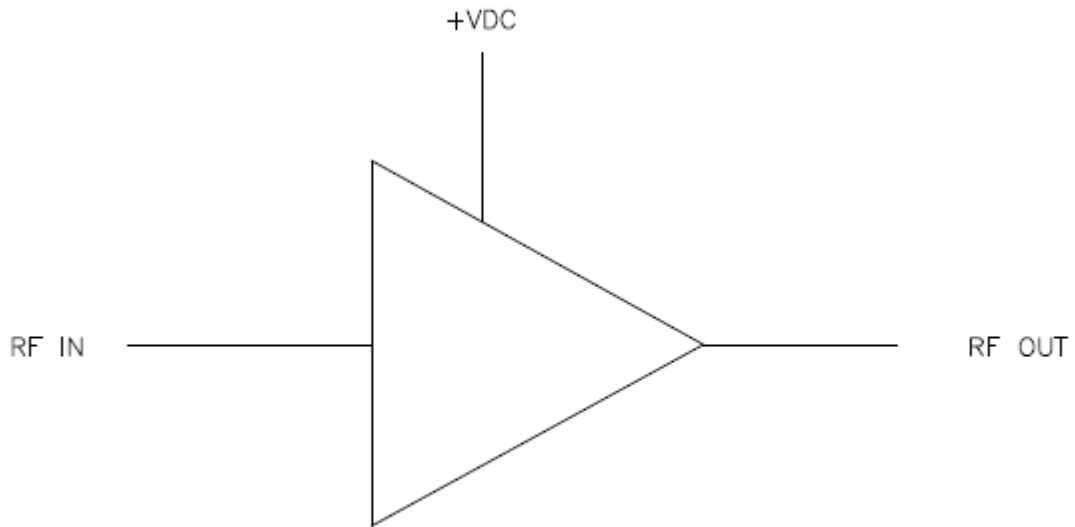
Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		10	1500	MHz.
Gain	12	11		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp	1.0			ΔdB.
Pout @ 1dB Comp	+23	+20		dBm.
Noise Figure	2.5*		3.5*	dB.
IP <sub>3</sub> @ two input tone of +10dBm	35			dBm.
IP <sub>2</sub> @ two input tone of +10dBm	55			dBm.
VSWR In/Out	2.0:1		2.2:1	
Supply Required	+15/100			v/mA.

\* Specification applies at F greater than 100 MHz; NF @ 10 MHz = 8 dB typical.  
 Min. and max. Values are from -55°C to +85°C

### .ACTUAL OUTLINE FOR ASC2674C



FUNCTIONAL BLOCK DIAGRAM



NO EXTERNAL COMPONENT REQUIRED