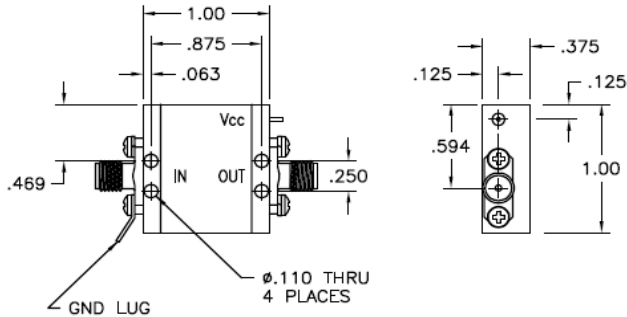


# ASC220C 10-2000 MHz. Wideband Amplifier



## Features: (typical values)

- Very high IP3.....+ 35 dBm
- High P1dB..... +21.0 dBm
- Medium Gain ..... 15.0 dB
- Super low cost

## Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		10	2000	MHz.
Gain	14.5	13.0		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp.	0.7			ΔdB.
Pout @ 1dB. Comp.	+21.0	+18.0		dBm.
NF	7.0		8.0	dB.
Reverse Isolation	19.0			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)	35/46	30/40		dBm.
HIP2 (2 <sup>nd</sup> harm.)	52.0			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Req'd	+15/120		+15/137	v/mA.

Min. and max. values are from -55°C to +85°C

## Maximum Ratings

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +13.0 dBm.  
 Case Temperature ..... +95°C

## Typical Performance Curves

- ■ -55°C    ◆ +25°C    ▲ +85°C

