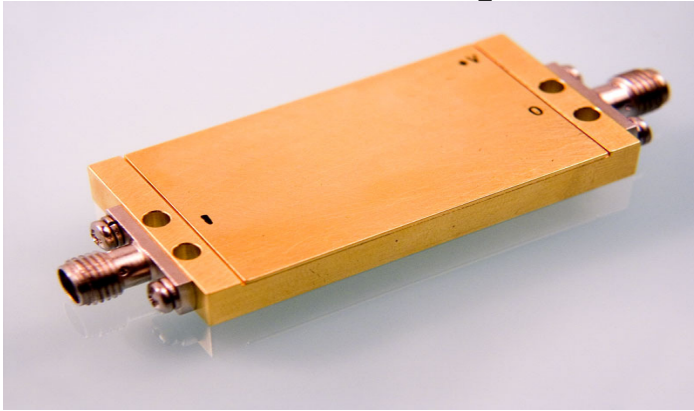


**ASC201C 20-2000 MHz. Wideband Amplifier**



**Features: (typical values)**

- Very high IP3.....+ 34 dBm
- High Gain..... +24.0 dB
- Low NF ..... 4.0 dB
- Super Linearity

**Specifications (Referenced to 50 ohms)**

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		20	2000	MHz.
Gain	24.0	22.0		dB.
Gain Flatness	±0.5		±1.0	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB. Comp.	+23.0	+20.0		dBm.
NF 20-100mhz	4.0		5.0	dB.
NF 100-2000mhz	2.5		4.0	dB.
Reverse Isolation	35.0			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)	35/47	31/40		dBm.
HIP2 (2 <sup>nd</sup> harm.)	52.0			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Req'd	+15/250		+15/270	V/mA.

Min. and max. values are from -40°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**  
 - ■ - -40°C - ◆ - +25°C - ▲ - +85°C

