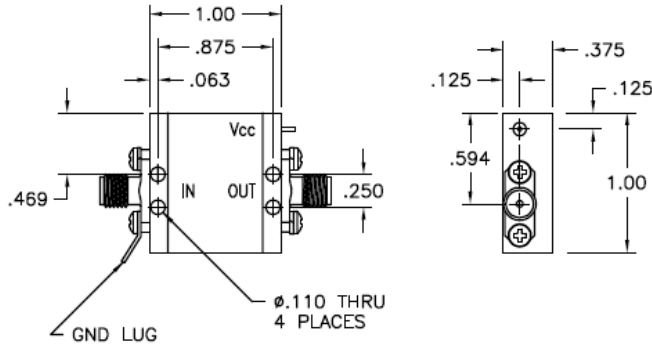
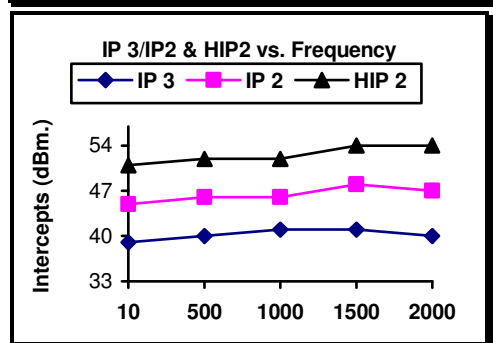
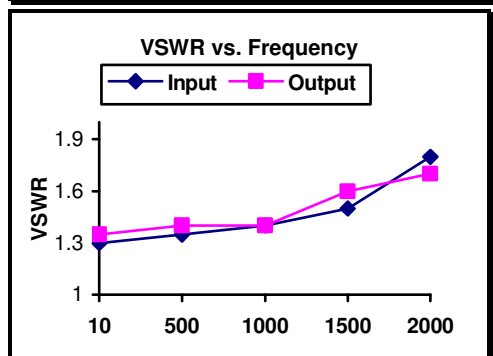
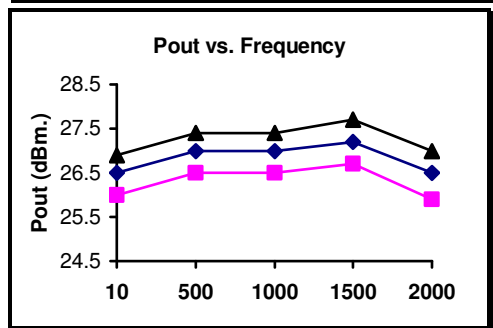
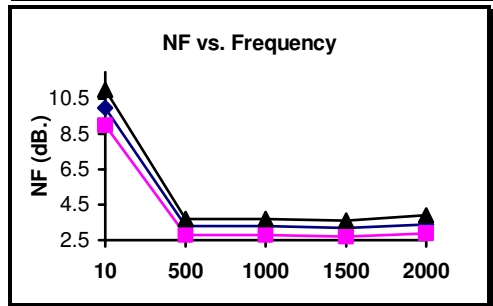
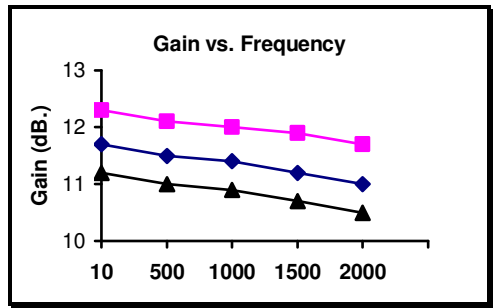


# ASC219C 10-2000 MHz. Wideband Amplifier



## Typical Performance Curves

- ■ -55°C    ◆ +25°C    ▲ +85°C



### Features: (typical values)

- Very high IP3.....+ 40 dBm
- High P1dB..... +26.0 dBm
- Low NF @100-2000mhz ..... 3.5 dB
- Super low cost

### Specifications (Referenced to 50 ohms)

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		10	2000	MHz.
Gain	11.0	10.0		dB.
Gain Flatness	±0.5		±0.8	dB.
Gain Var. over temp.	0.7			ΔdB.
Pout @ 1dB. Comp.	+26.5	+25.0		dBm.
NF 100-2000mhz	3.5		5.5	dB.
Reverse Isolation	16.0			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)	40/46	35/40		dBm.
HIP2 (2 <sup>nd</sup> harm.)	52.0			dBm.
VSWR In/Out	1.7:1		2.0:1	
Supply Req'd	+15/190		+15/200	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 ..... +20.0 dBm.
- Case Temperature ..... +95°C