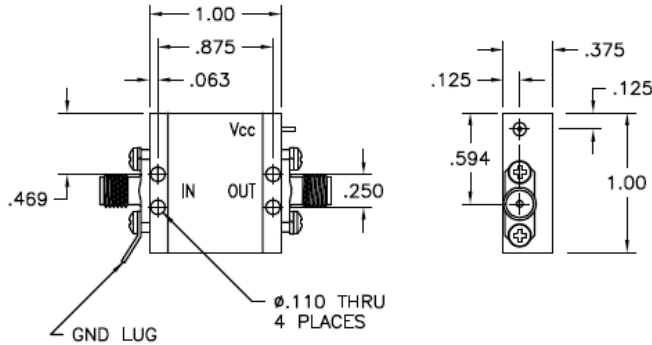
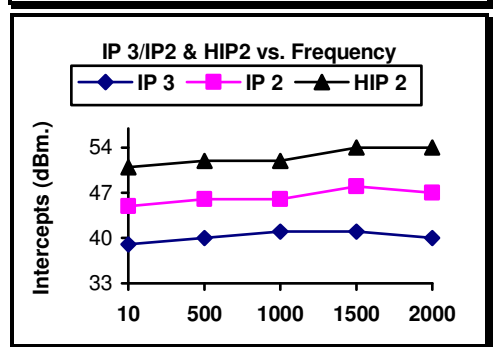
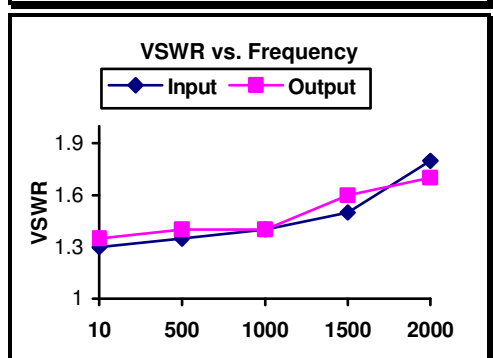
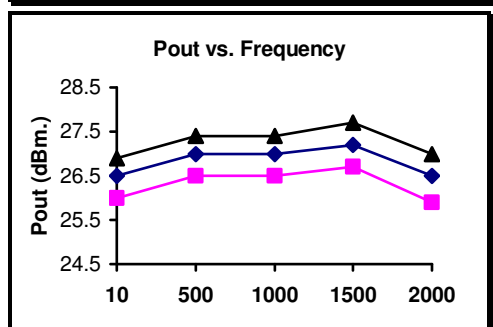
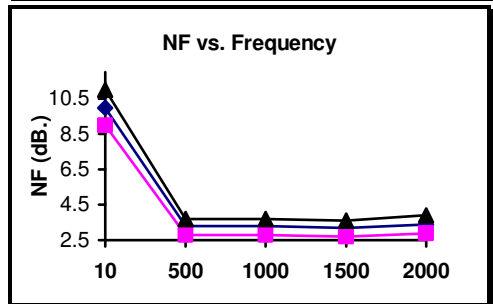
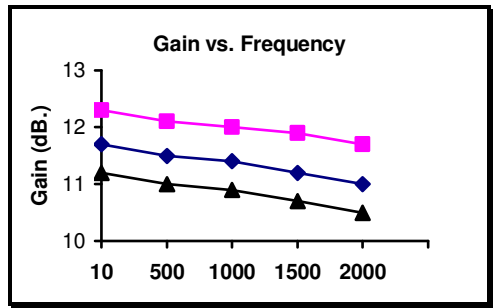


ASC219C 10-2000 MHz. Wideband Amplifier



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 ₃ /IP ₂ (two-tone) | 40/46 | 35/40 | | dBm. |
| HIP ₂ (2 nd 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