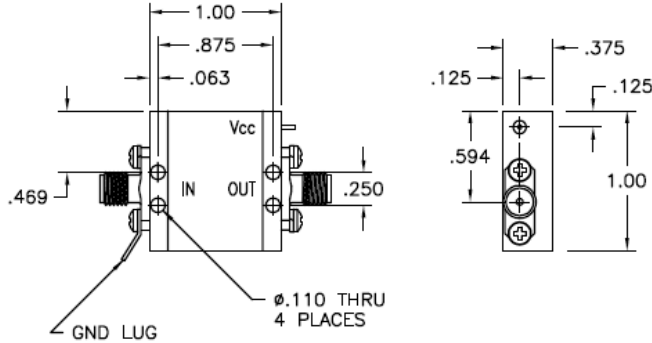
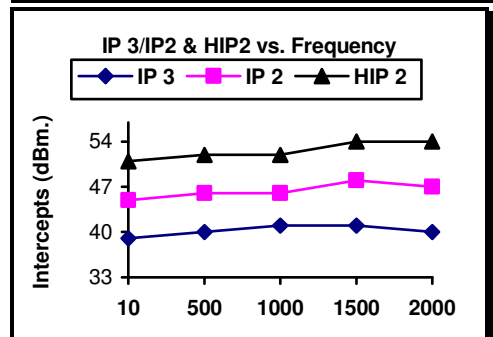
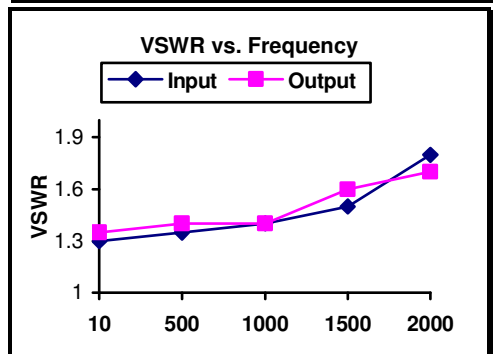
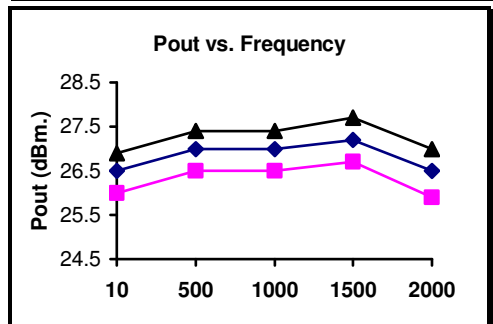
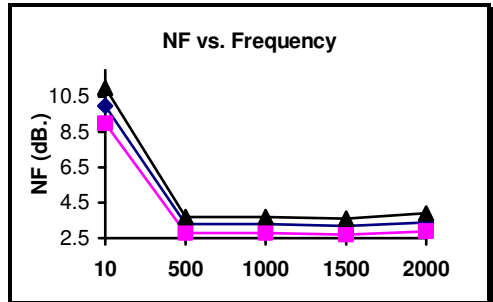
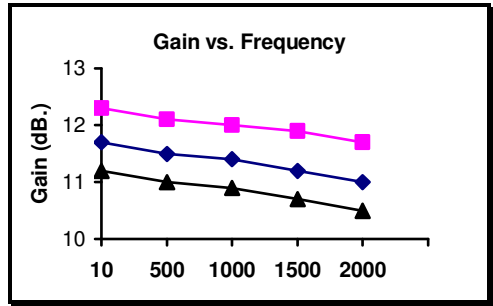


# 10-2000 MHz. Wideband Amplifier



## 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