

# PA1132 1800-2000 MHz.

## Linear Power Amplifier

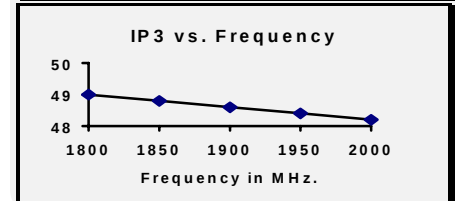
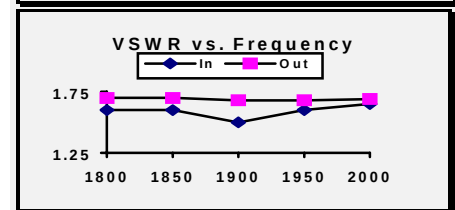
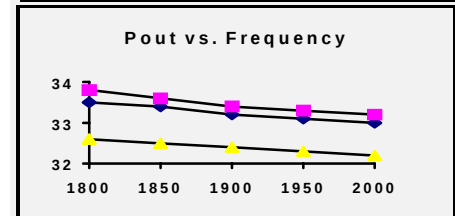
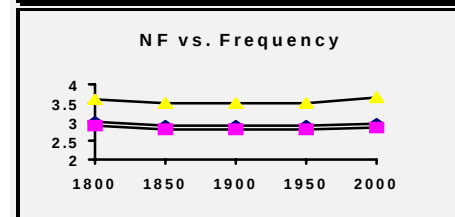
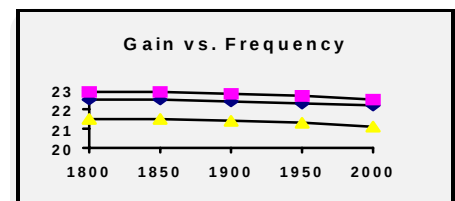
### Features (typical values)

High Frequency Operation. .... 2000 MHz.  
 High Output Power ..... +33.0 dBm.  
 High IP3 ..... +48.0 dBm.  
 Low Cost



### Typical Performance Curves

0°C +25°C +85°C

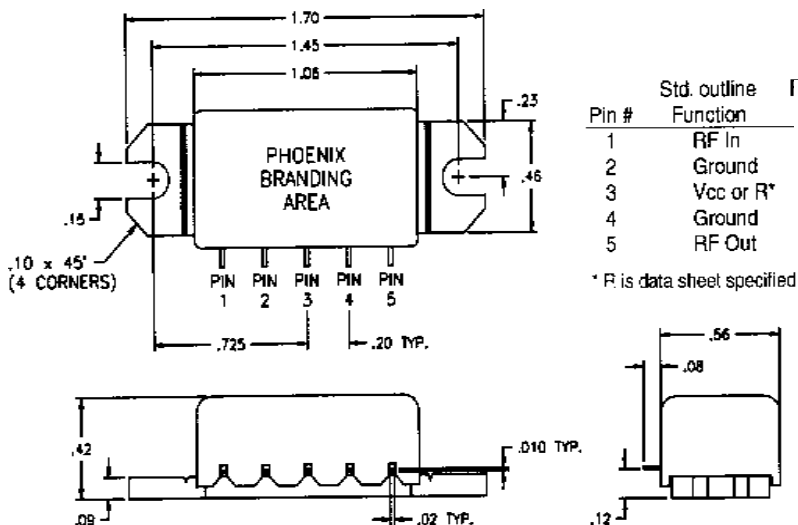


### Electrical Specifications (Referenced to 50 ohms)

| Parameter         | Typical Value | Min. Value | Max. Value | Units  |
|-------------------|---------------|------------|------------|--------|
| Frequency         |               | 1800       | 2000       | MHz.   |
| Gain              | 22.0          | 20.0       |            | dB.    |
| Gain Flatness     | ±0.3          |            | ±0.5       | dB.    |
| Reverse Isolation | 25            |            |            | dB.    |
| Pout @ 1dB. comp. | 33.0          | 32.0       |            | dBm.   |
| Noise Figure      | 3.0           |            | 4.0        | dB.    |
| IP3               | +48.0         | +44.0      |            | dBm.   |
| VSWR              | 1.8:1         |            | 2.0:1      |        |
| Supply Req'd      | +12/725       |            | +12/850    | v./mA. |

IP3 measured with 2 tones @+20 dBm. per tone spaced 1 MHz. apart  
 Min and max values from 0 to 85 degrees C

### Outline Drawings



### Maximum Ratings

Storage Temperature ..... -40C to +85C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... +15 dBm.  
 Case Temperature ..... +95C