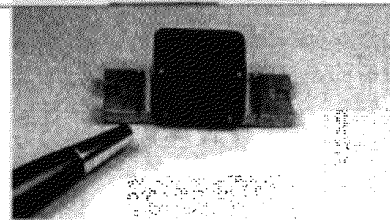
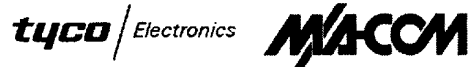


# PA1137

2000-2200 MHz.

WCDMA

Linear Power Amplifier



## Features

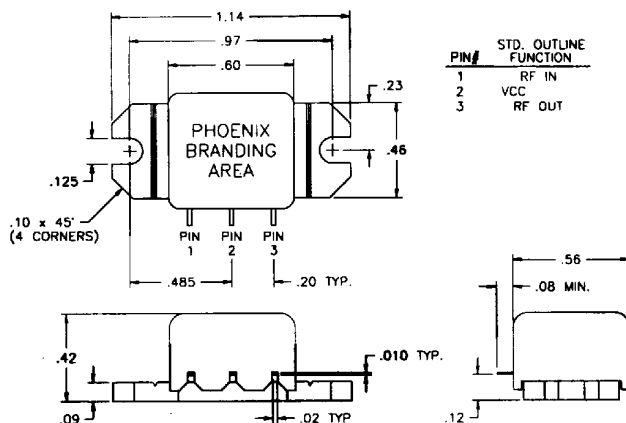
- High Frequency Operation ..... 2220 MHz.
- Low Noise Figure ..... 0.8 dB.
- Medium Gain ..... 17.0 dB.
- Low Cost

## Electrical Specifications (Referenced to 50 ohms)

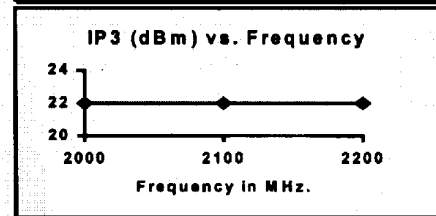
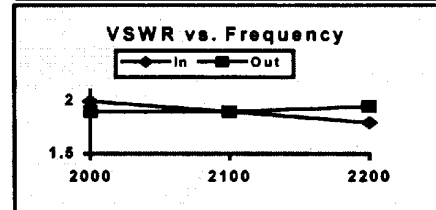
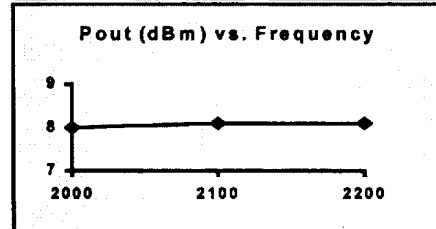
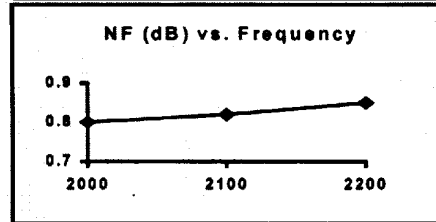
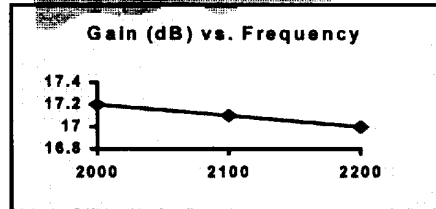
| Parameter         | Typical Value | Min. Value | Max. Value | Units  |
|-------------------|---------------|------------|------------|--------|
| Frequency         |               | 2000       | 2200       | MHz.   |
| Gain              | 17.0          | 16.0       |            | dB.    |
| Gain Flatness     | ±0.2          |            |            | dB.    |
| Reverse Isolation | 25            |            |            | dB.    |
| Pout @ 1dB comp.  | 8.0           | 6.0        |            | dBm.   |
| Noise Figure      | 0.8           |            | 1.3        | dB.    |
| IP3               | 22.0          | 18.0       |            | dBm.   |
| VSWR              | 1.7:1         |            | 2.0:1      |        |
| Supply Req'd      | +2/20         |            | +2/30      | v./mA. |

IP3 measured with 2 tones @ -5dBm. per tone  
Min and max values from 0 to 85 degrees C

## Outline Drawings



## Typical Performance Curves



## Maximum Ratings

- Storage Temperature ..... -40C to +85C
- DC Voltage ..... +3 volts
- RF Input Power ..... +10 dBm.
- Case Temperature ..... +95C