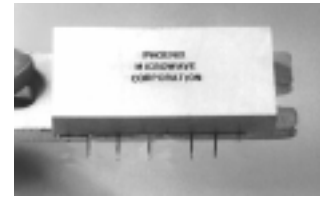


PA1159
4 Watt

2300-2400 MHz.
Ultra Linear Power Amplifier

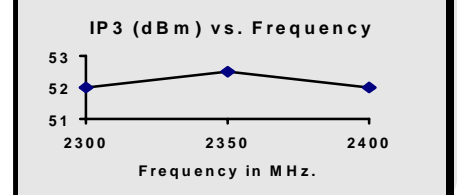
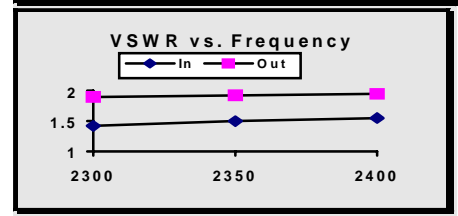
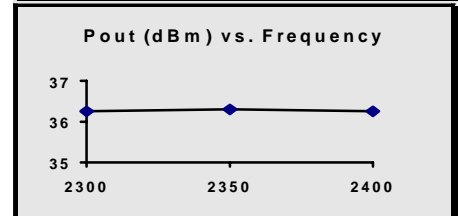
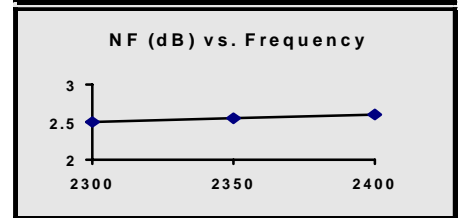
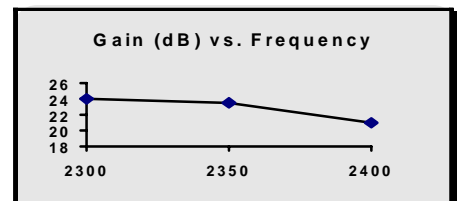


Features (typical values)

- High IP3** +52.0 dBm.
- Low NF** 2.7 dB.
- High Output Power** +36.0 dBm.
- Low Cost**

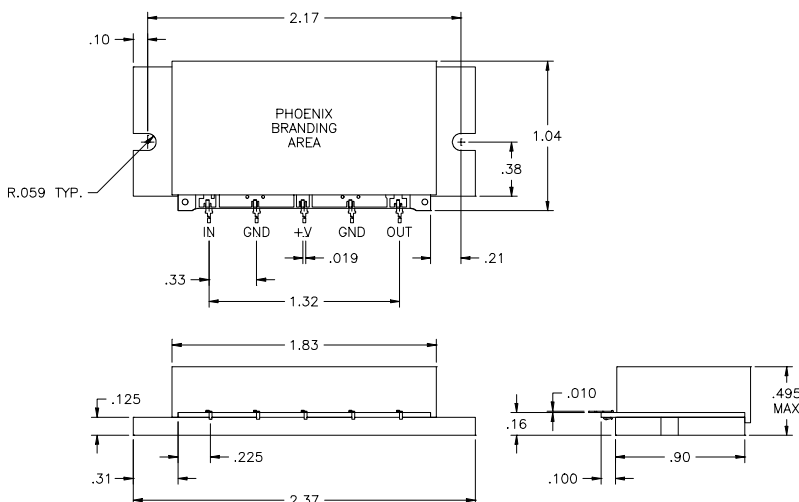
| Parameter | Typical Value | Min. Value | Max. Value | Units |
|---------------------|---------------|------------|------------|--------|
| Frequency | | 2300 | 2400 | MHz. |
| Gain | 23.5 | 21.0 | | dB. |
| Gain Flatness | ±0.5 | | | dB. |
| Pout @ 1dB. comp. | 36.2 | 35.5 | | dBm. |
| Noise Figure | 2.7 | | 4.0 | dB. |
| VSWR (Input/Output) | 1.5:1/2:1 | | 2:1/2.5:1 | |
| IP3 (two tone) | +52.0 | +50.0 | | dBm. |
| Supply Required | +10/1700 | | +10/1800 | v./mA. |

Typical Performance @ 25°C



IP3 measured with 2 tones @+22dBm. per tone @ 1 MHz apart
Min and max values from 0 to 85 degrees C

Outline Drawings



Maximum Ratings

- Storage Temperature -40°C to +125°C
- DC Voltage +11 volts
- RF Input Power +28 dBm.
- Case Temperature +95°C