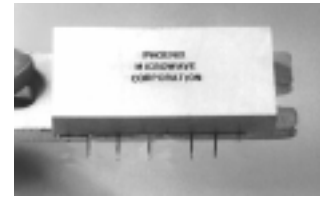


PA1159
4 Watt

2300-2400 MHz.
Ultra Linear Power Amplifier

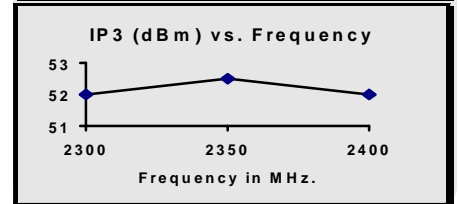
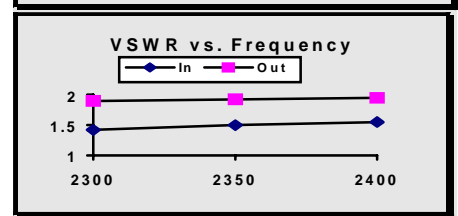
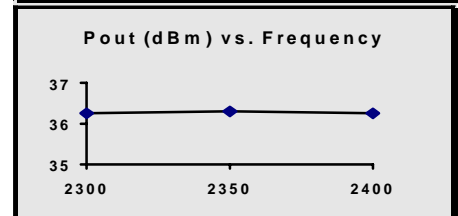
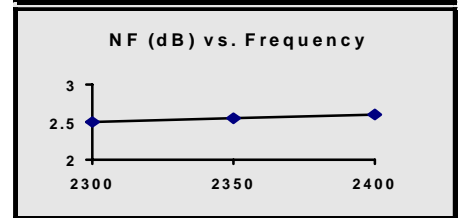
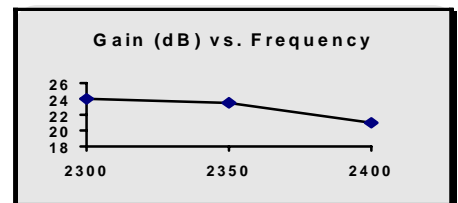


Features (typical values)

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

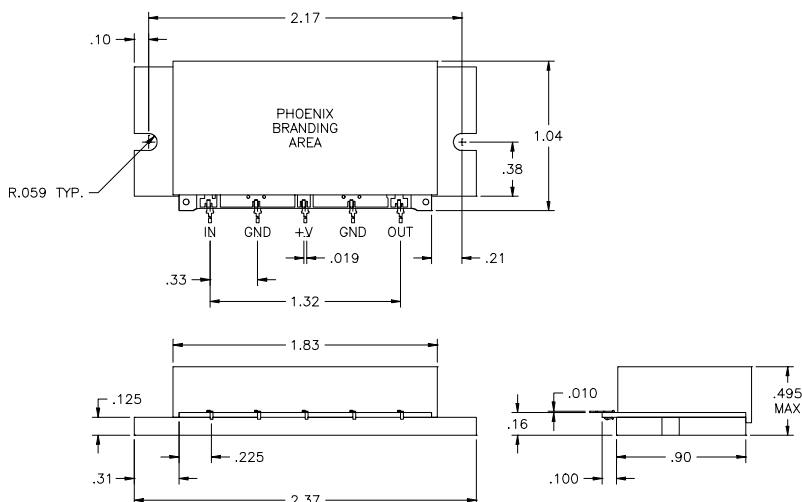
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2300	2400	MHz.
Gain	23.5	21.0		dB.
Gain Flatness	±0.5			dB.
Pout @ 1dB. comp.	36.2	35.5		dBm.
Noise Figure	2.7		4.0	dB.
VSWR (Input/Output)	1.5:1/2:1		2:1/2.5:1	
IP3 (two tone)	+52.0	+50.0		dBm.
Supply Required	+10/1700		+10/1800	v./mA.

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