

**PA1159**

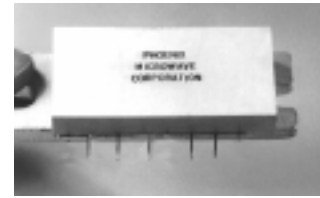
**2300-2400 MHz.**

**4 Watt**

**Ultra Linear Power Amplifier**

**tyco**  
Electronics

**M/A-COM**

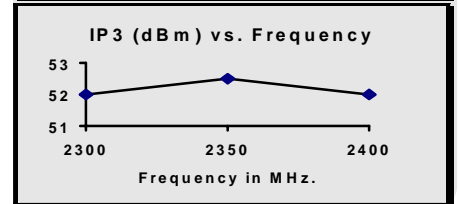
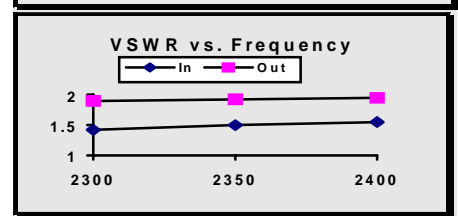
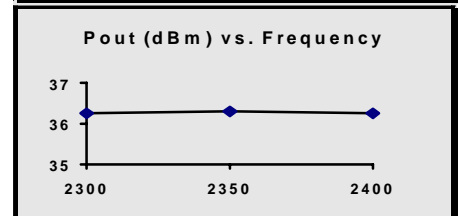
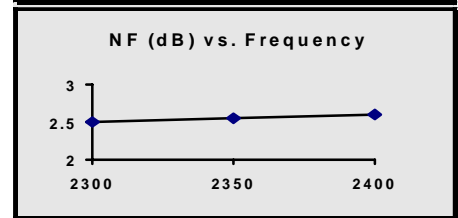
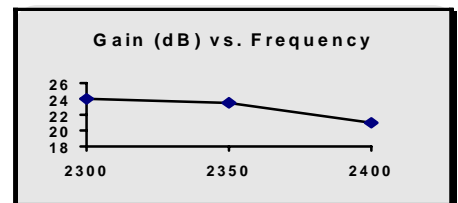


**Features (typical values)**

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

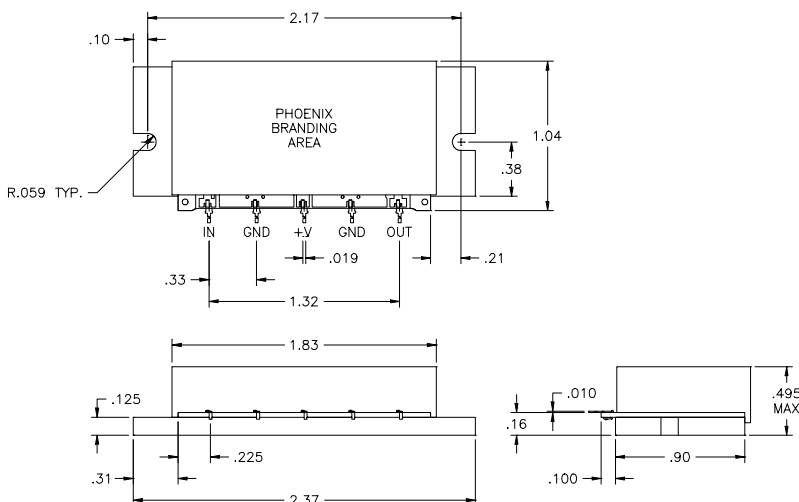
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2300	2400	MHz.
Gain	23.5	21.0		dB.
Gain Flatness	±0.5			dB.
Pout @ 1dB. comp.	36.2	35.5		dBm.
Noise Figure	2.7		4.0	dB.
VSWR (Input/Output)	1.5:1/2:1		2:1/2.5:1	
IP3 (two tone)	+52.0	+50.0		dBm.
Supply Required	+10/1700		+10/1800	v./mA.

**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