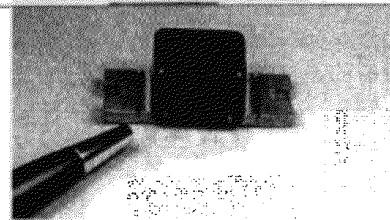
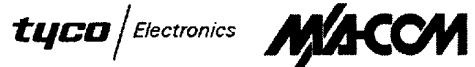


# PA1137

2000-2200 MHz.

WCDMA

Linear Power Amplifier



## Features

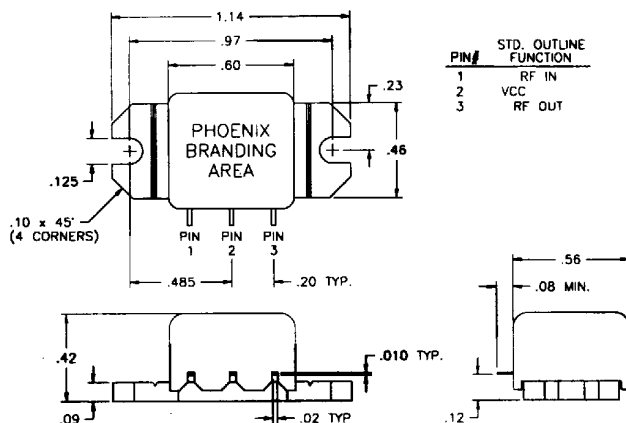
- High Frequency Operation ..... 2220 MHz.
- Low Noise Figure ..... 0.8 dB.
- Medium Gain ..... 17.0 dB.
- Low Cost

## Electrical Specifications (Referenced to 50 ohms)

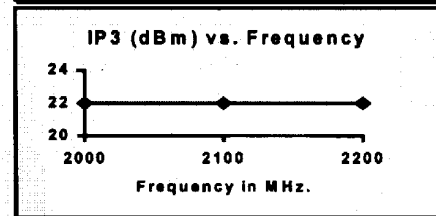
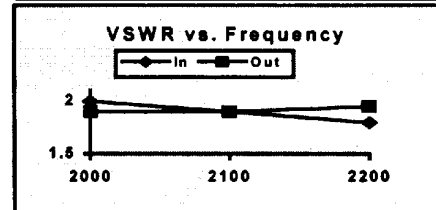
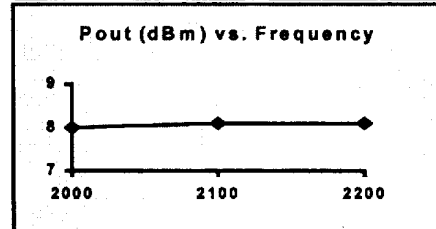
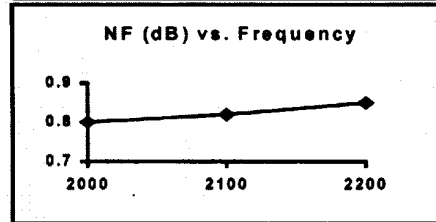
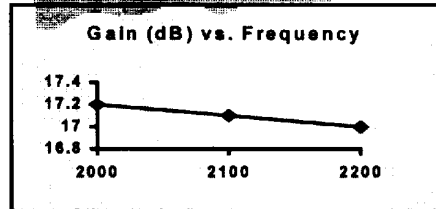
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2000	2200	MHz.
Gain	17.0	16.0		dB.
Gain Flatness	±0.2			dB.
Reverse Isolation	25			dB.
Pout @ 1dB comp.	8.0	6.0		dBm.
Noise Figure	0.8		1.3	dB.
IP3	22.0	18.0		dBm.
VSWR	1.7:1		2.0:1	
Supply Req'd	+2/20		+2/30	v./mA.

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