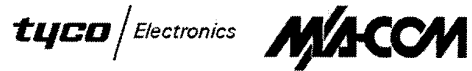


# PA1138

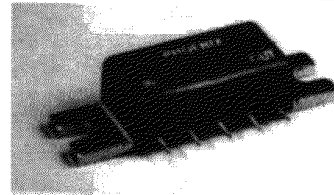
2000-2200 MHz.



WCDMA Wireless Local Loop Amplifier

## Features

- High Frequency Operation. .... 2200 MHz.
- High IP3 ..... 40.0 dBm.
- High Pout @ 1dB. comp. .... +25.5 dBm.
- Low Noise Figure ..... 2.7 dB.
- Low Cost

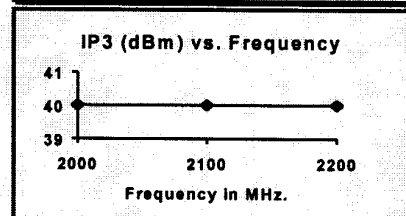
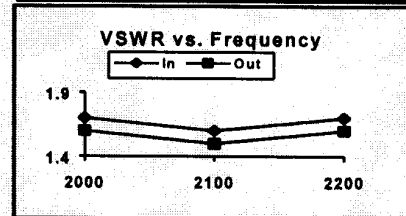
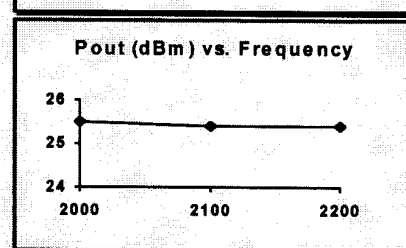
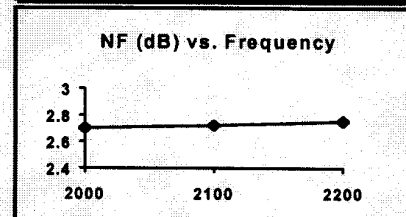
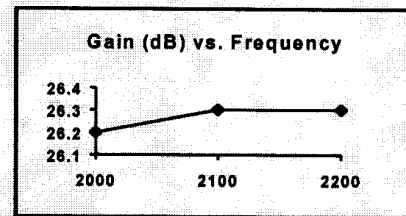


## Electrical Specifications (Referenced to 50 ohms)

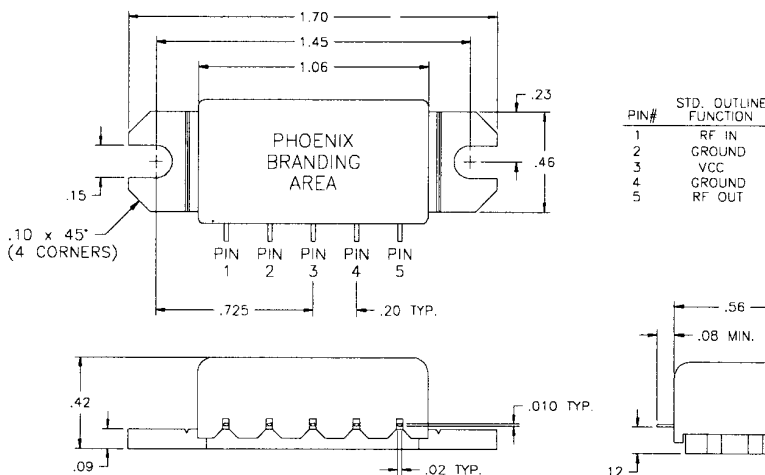
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2000	2200	MHz
Gain	26.0	25.0		dB
Gain Flatness	±0.3		±0.5	dB
Reverse Isolation	30			dB
Pout @ 1dB. comp.	25.5	24.0		dBm
Noise Figure	2.7		4.0	dB
IP3	40.0	37.0		dBm
VSWR	1.6:1		1.8:1	
Supply Req'd	+15/200		+15/240	v/mA.

IP3 measured with 2 tones @ +10 dBm. per tone  
Min and max values from 0 to 85 degrees C

## Typical Performance Curves



## Outline Drawings



## Maximum Ratings

- Storage Temperature ..... -40°C to +125°C
- DC Voltage ..... +12 volts
- RF Input Power ..... +13 dBm.
- Case Temperature ..... +95C