

PA1137

2000-2200 MHz.

WCDMA

Linear Power Amplifier

tyco Electronics

MACOM

Features

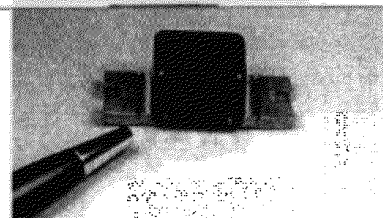
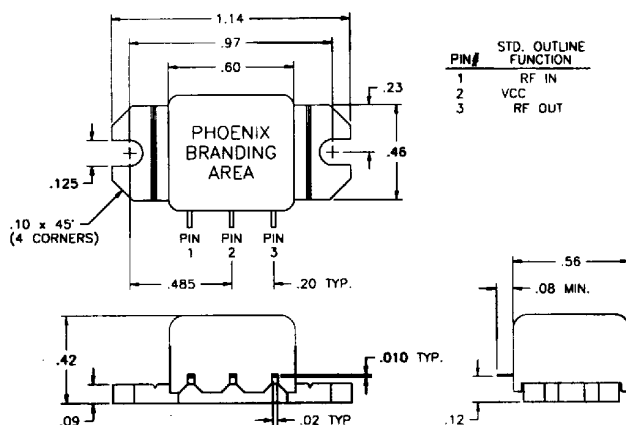
High Frequency Operation. 2220 MHz.
Low Noise Figure 0.8 dB.
Medium Gain 17.0 dB.
Low Cost

Electrical Specifications (Referenced to 50 ohms)

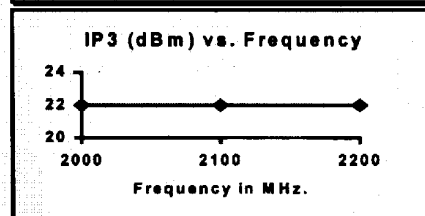
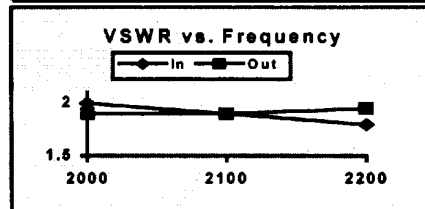
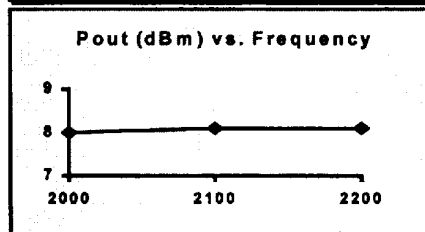
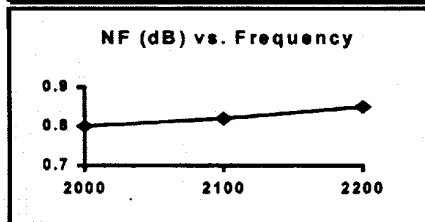
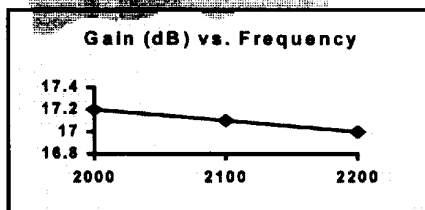
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2000	2200	MHz.
Gain	17.0	16.0		dB.
Gain Flatness	±0.2			dB.
Reverse Isolation	25			dB.
Pout @ 1dB. comp.	8.0	6.0		dBm.
Noise Figure	0.8		1.3	dB.
IP3	22.0	18.0		dBm.
VSWR	1.7:1		2.0:1	
Supply Req'd	+2/20		+2/30	v./mA.

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