

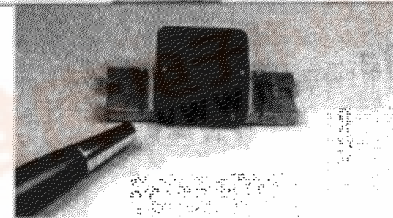
PA1137 2000-2200 MHz.

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



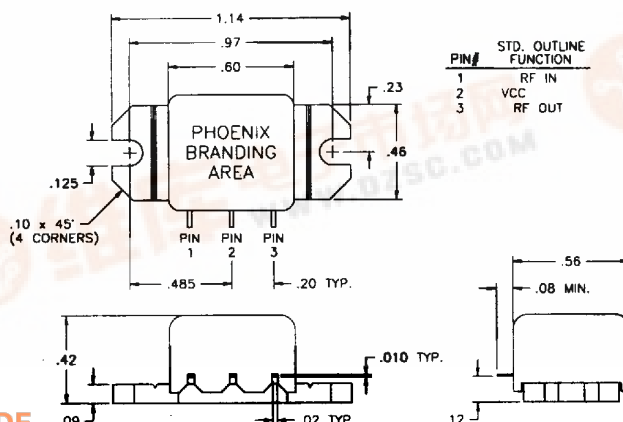
Typical Performance Curves

Electrical Specifications (Referenced to 50 ohms)

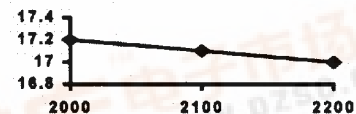
Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		2000	2200	MHz
Gain	17.0	16.0		dB
Gain Flatness	±0.2			dB
Reverse Isolation	25			dB
Pout @ 1dB comp.	8.0	6.0		dBm
Noise Figure	0.8		1.3	dB
IP3	22.0	18.0		dBm
VSWR	1.7:1		2.0:1	
Supply Req'd	+2/20		+2/30	v/mA

IP3 measured with 2 tones @ -5dBm. per tone
Min and max values from 0 to 85 degrees C

Outline Drawings



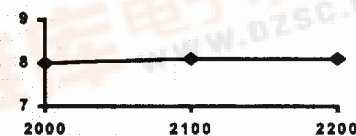
Gain (dB) vs. Frequency



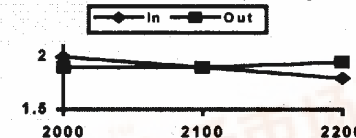
NF (dB) vs. Frequency



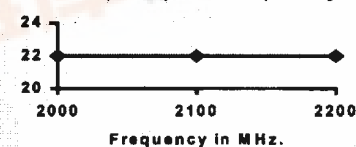
Pout (dBm) vs. Frequency



VSWR vs. Frequency



IP3 (dBm) vs. Frequency



Maximum Ratings

Storage Temperature -40C to +85C
DC Voltage +3 volts
RF Input Power +10 dBm.
Case Temperature +95C