

PA1186**800-960 MHz.****6 Watt****28v. GaAs Ultra Linear Power Amplifier****Features (typical values)****High IP3** +56.0 dBm.**Low NF** 2.4 dB.**High Output Power** +38 dBm.**Low Cost****Typical Performance**

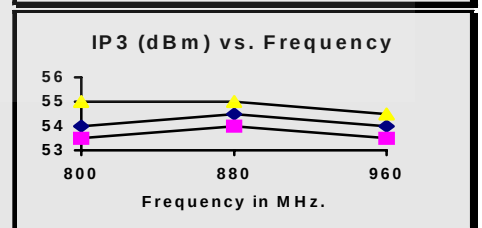
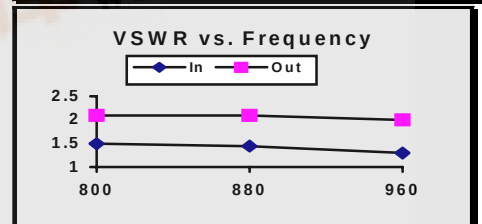
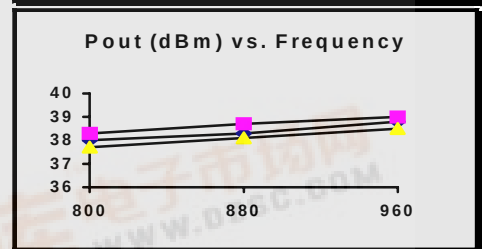
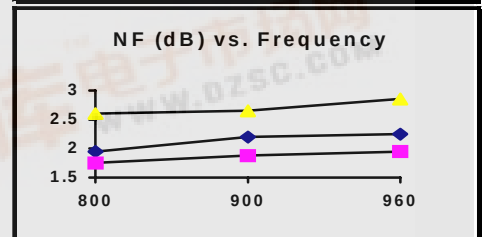
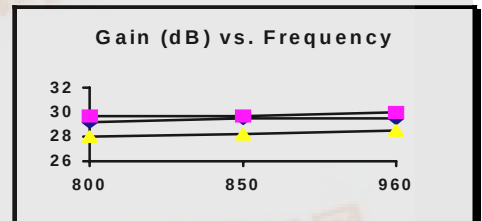
--◆-- 0°C --■-- +25°C --▲-- +75°C



Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		800	960	MHz.
Gain	29.0	27.0		dB.
Gain Flatness	+/- 0.3			±dB.
Pout @ 1dB. comp.	38.0	36.0		dBm.
Noise Figure	2.4		3.5	dB.
ACPR (30kHz. BW)*	-50.0			dBc.
VSWR (Input/Output)	1.5:1/2:1		2:1/2.5:1	
IP3 (two tone)**	+56.0	+50.0		dBm.
Supply Required***	+28/1000		+28/1200	v./mA.

* ±850kHz from fc at power level of 30dBm. (IS-95)

** IP3 measured with 2 tones @+25dBm. per tone @ 1MHz apart

*** A 10 micro farad capacitor is required from pin 3 (+V) to ground
Min and max values from 0 to 85 degrees C**Outline Drawings**

See Attached Document

Maximum Ratings

Storage Temperature -40°C to +125°C

DC Voltage +30 volts

RF Input Power +15 dBm.

Case Temperature +90°C

OUTLINE DRAWING

PIN	FUNCTION
1	RF IN
2	GND
3	+V
4	GND
5	RF OUT

IMPORTANT!

MOUNTING HOLE PLACEMENT
IS CRITICAL TO ALLOW USE
OF SPECIFIED HARDWARE!!!

