

**PA1221 1800-2000 MHz.**  
**Low Noise High Dynamic Range Linear Amplifier**  
**PRELIMINARY**



**Features (typical values)**

Low Cost Ceramic Surface Mount Package

NF ..... 1.0 dB.

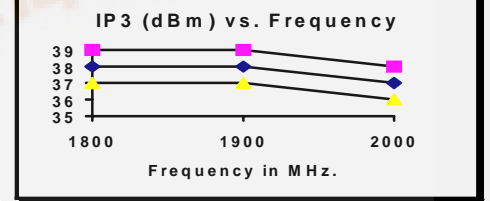
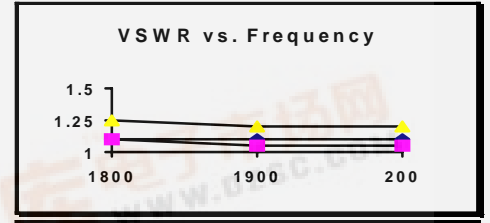
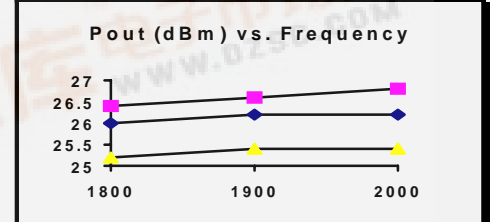
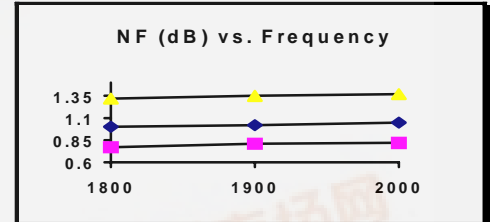
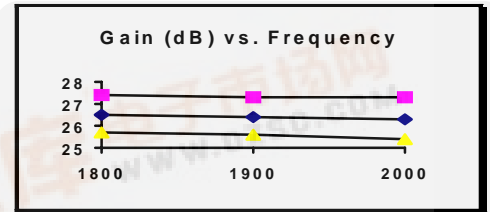
Pout ..... +26 dBm.

IP3 ..... +38 dBm.

**Typical Performance**

--◆-- 25°C --■-- -40°C --△-- +85°C

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency	-	1800	2000	MHz
Gain	26.0	23.0	-	dB
Gain Flatness	+/- 0.2	-	+/- 0.5	dB
Reverse Isolation	-40.0	-	-	dB
Pout @ 1dB. comp.	+27	+26	-	dBm
Noise Figure	1.0	-	1.5	dB
VSWR	1.5:1	-	2.0:1	Ratio
IP3	38	35	-	dBm
Supply Required	+12V/160	-	+12V/190	v./mA.



**Outline Drawings**

SEE ATTACHED DRAWING

**Maximum Ratings**

- Storage Temperature ..... -65°C to +165°C
- DC Voltage ..... +15 volts
- RF Input Power.....+15 dBm.CW
- Heat Spreader Temperature ..... +100°C



