

PA1217

800-1000 MHz.

Low Noise High Dynamic Range Linear Amplifier



Features (typical values)

Low Cost Ceramic Surface Mount Package

Low NF 0.6 dB.

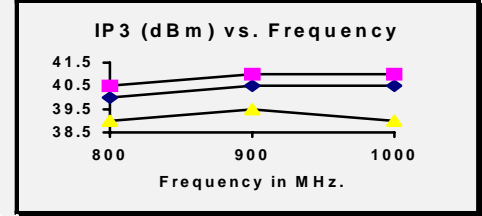
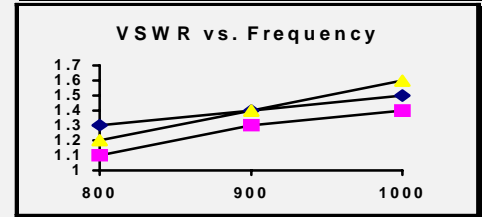
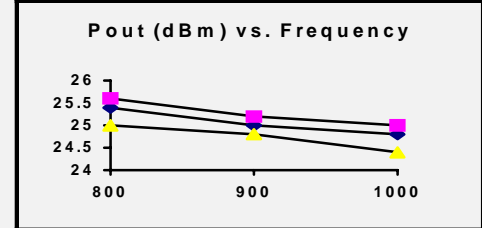
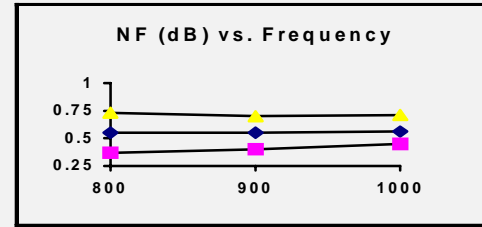
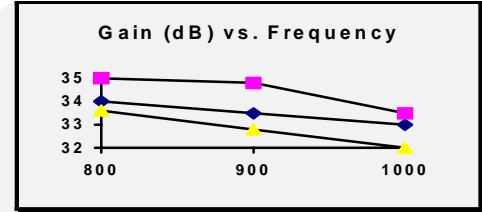
IP3 +40 dBm

Pout +25dBm

Typical Performance

--◆-- -25°C --■-- -40°C --△-- +70°C

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency		800	1000	MHz
Gain @25 degrees C.	33	30	-	dB
Gain Flatness	+/- 0.5	-	1.0	dB
Reverse Isolation	45.0	-	-	dB
Pout @ 1dB. comp.	25	24	-	dBm
Noise Figure	0.6	-	1.0	dB
VSWR	1.6:1	-	2.0:1	
Input IP3	40	37	-	dBm
Supply Required	+12V/155	-	+12V/175	v./mA.



IP3 measured with 2 tones @+10 dB @ 1 Mhz apart
Min and max values from -40 to +85 degrees C

Outline Drawings

SEE ATTACHED DRAWING

Maximum Ratings

- Storage Temperature -65°C to +150°C
- DC Voltage +15 volts
- RF Input Power +17 dBm.
- Heat Spreader Temperature +100°C

