

PA1221

1800-2000 MHz.

Low Noise High Dynamic Range Linear Amplifier

PRELIMINARY



Electronics

M/A-COM

Features (typical values)

Low Cost Ceramic Surface Mount Package

NF 1.0 dB.

Pout +26 dBm.

IP3 +38 dBm.

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.

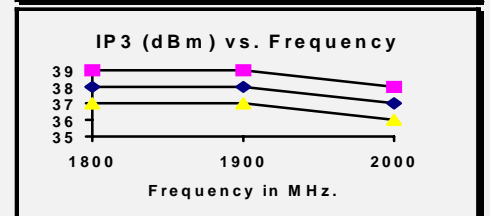
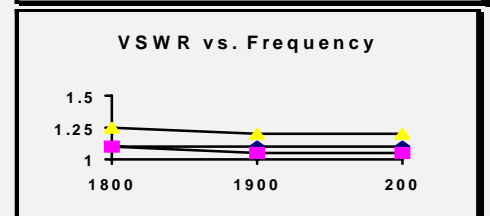
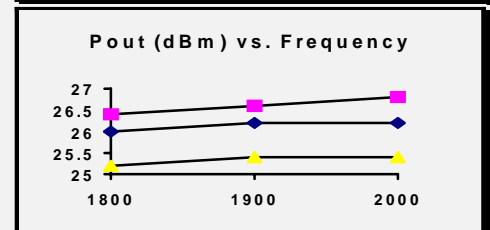
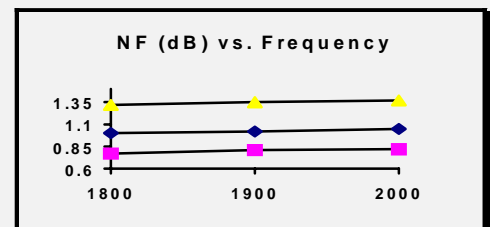
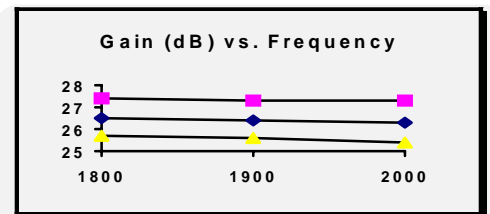
IP3 measured with 2 tones @+10 dBm @ 1 MHz apart
Min and max values from -40 to +75 degrees C

Outline Drawings

SEE ATTACHED DRAWING

Typical Performance

--◆-- 25°C --■-- -40°C --▲-- +85°C



Maximum Ratings

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

