

PA1220

800-1000 MHz.

Low Noise High Dynamic Range Linear Amplifier

PRELIMINARY

tyco

Electronics

M/A-COM

Features (typical values)

Low Cost Ceramic Surface Mount Package

NF 0.9 dB.

Pout +26 dBm

IP3 +40dBm

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency	-	800	1000	MHz
Gain	18.0	16.0	-	dB
Gain Flatness	+/- 0.5	-	+/- 0.6	dB
Reverse Isolation	-23.0	-	-	dB
Pout @ 1dB. comp.	26	24	-	dBm
Noise Figure	0.9	-	1.4	dB
VSWR (Input/Output)	1.3/1.5:1	-	1.5/1.8:1	Ratio
IP3	40	37	-	dBm
Supply Required	+12V/160	-	+12V/180	v./mA.

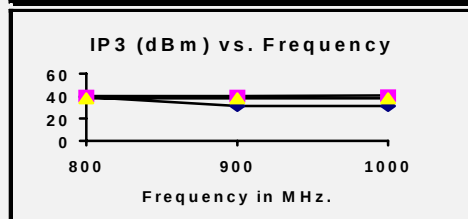
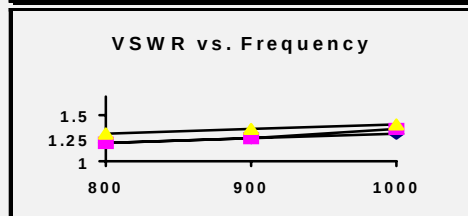
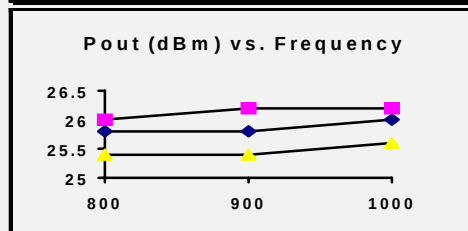
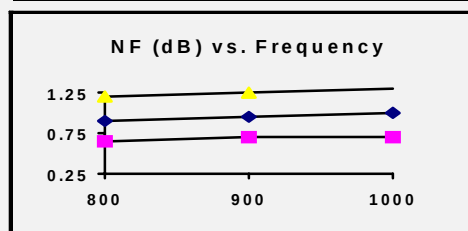
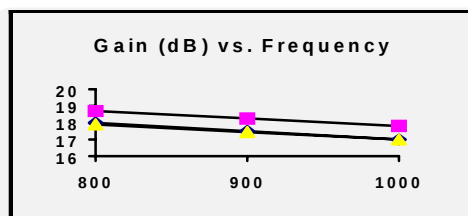
IP3 measured with 2 tones @+10 dB @ 1 Mhz apart
Min and max values from -40 to +85 degrees C

Outline Drawings

SEE ATTACHED DRAWING

Typical Performance

--♦-- 25°C --■-- -40°C --▲-- +70°C



Maximum Ratings

Storage Temperature -65°C to +150°C

DC Voltage +15 volts

RF Input Power +23 dBm.

Heat Spreader Temperature +100°C

