

# PA1215

# 800-1000 MHz.

Low Noise High Dynamic Range Linear Amplifier  
**PRELIMINARY**



### Features (typical values)

Low Cost Ceramic Surface Mount Package

Typical NF ..... 0.9 dB.

IP3 ..... 34 dBm

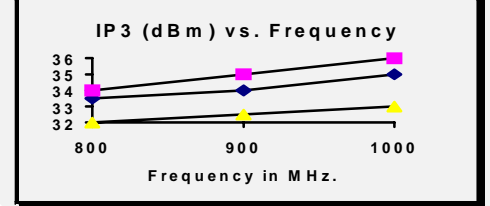
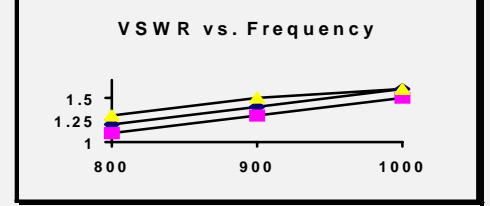
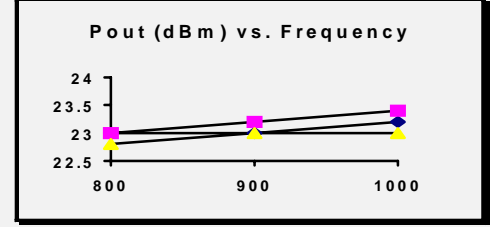
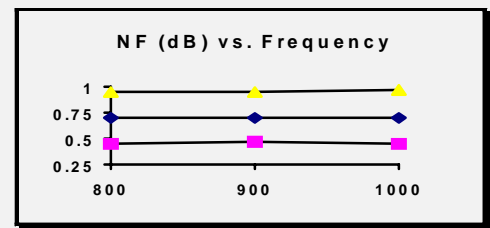
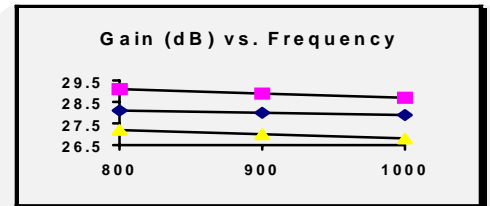
Pout ..... +23.0dBm

Parameter	Typical Value	Min. Value	Max. Value	Units
Frequency	-	800	1000	MHz
Gain	28.0	25.0	-	dB
Gain Flatness	+/- .15	-	+/- 0.5	dB
Reverse Isolation	-45.0	-	-	dB
Pout @ 1dB. comp.	+23	+21	-	dBm
Noise Figure	.9	-	1.3	dB
VSWR (Input/Output)	15:1	-	1.7:1	Ratio
IP3	34	31	-	dBm
Supply Required	+12V/85	-	+12V/90	v./mA.

IP3 measured with 2 tones @+6 dBm each tone 1 MHz apart  
 Min and max values from -40 to +85 degrees C

### Typical Performance

--◆-- 25°C --■-- -40°C --△-- +70°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

