

Broadband Power Amplifier

20 - 1000 MHz

PAS-00210-80

80 Watts CW

Features

- : Solid State Power Amplifier
- : Small Signal Gain: 50 dB typ.
- : Rack Mount Case
- : Internal Cooling Fans
- : Type N Connectors
- : Over-voltage, over-current protections
- : Microprocessor controlled (optional)
- : Current monitor (optional)
- : Ethernet interface (optional)
- : Variable Gain (optional)
- : ALC power control (optional)

Parameter	Specification @ 25°C
Saturated P _{out}	100 Watts CW typical
Small Signal Gain	50 dB typical
P _{out} @ P3dB	80 Watts minimum
Frequency	20 – 1000 MHz
Input Impedance	50 Ohms
Third Order Intercept	51 dBm typical
Spurious	-60 dBc typical @ 35 Watts
AC Power	90-132Vac, 180-264Vac, 400W
MECHANICAL	
Dimensions	19 x 3.5 x 20 inches
Weight	26 lbs max
Cooling	Internal Forced Air

Maximum Ratings:

Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Input Power (no damage)	+10 dBm

Typical Performance Data

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Frequency (MHz)	Small Signal Gain (dB)	Pout @	
		P3dB (dBm)	Psat (dBm)
20	51.5	50.2	50.7
200	50.0	50.0	50.9
300	49.8	50.0	50.7
400	50.7	50.1	50.7
500	51.3	50.6	51.1
600	50.3	49.6	50.5
800	50.0	49.1	50.0
1000	46.0	49.2	49.8

