

Broadband Power Amplifier

1 - 1000 MHz

PAS-000110-50

50 Watts CW

Features

- : Solid State Power Amplifier
- : Small Signal Gain: 60dB typ.
- : Rack Mount Case
- : Internal Cooling Fans
- : Type N Connectors
- : Over-voltage, over-current protections

Parameter	Specification @ 25°C
Saturated P _{out}	65 Watts minimum @ 500MHz 75 Watts typical
Small Signal Gain	60dB typical
P _{out} @ P3dB	55 Watts minimum @ 500MHz
Frequency	1 – 1000 MHz
Input Impedance	50 Ohms
Input Signal Format	CW/AM/FM/PM/Pulse
AC Power	90-264Vac, 1250W
MECHANICAL	
Dimensions	19 x 5.2 x 22 inches
Weight	62 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)	+0dBm

Typical Performance Data

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Frequency (MHz)	Gain (dB)	Pout @	
		P3dB (dBm)	Psat (dBm)
1	64.0	49.4	49.7
100	63.0	50.1	50.4
250	63.0	48.3	48.6
500	62.3	48.9	49.2
600	59.5	46.5	46.8
700	60.0	47.6	47.9
800	60.5	48.2	48.5
1000	59.5	47.6	47.8

