

Broadband Power Amplifier

800 - 2500 MHz

PAS-08025-30

30 Watts CW

Features

- : Solid State Power Amplifier
- : Gain : 50 dB typ.
- : High IP3, 48.0 dBm typ.
- : Rack Mount Case
- : Internal Cooling Fans
- : Over Temperature Protection
- : Output VSWR protection
- : Microprocessor controlled
- : Front Panel Information Display
- : RS-232 Interface
- : Ethernet Interface
- : Variable Gain
- : ALC power control
- : Type N Connectors

Parameter	Specification @ 25°C
Rated Power Out	30 Watts CW min.
Gain @ Max Setting	50 dB typ.
Power Out @ P3dB	40 Watts typ.
Power Out @ P1dB	30 Watts typ.
Flatness	± 2.5 dB typ.
Frequency (MHz)	800-2500
Gain Adjust Range	25 dB typ., 18 Min.
Input Impedance	50 Ohms
Third Order Intercept	+48 dBm typ.
Harmonic Distortion	-20 dBc typ. @ 30 Watts
Spurious	-60 dBc typ. @ 30 Watts
AC Power	90-132, 180-264 400W
MECHANICAL	
Dimensions	19 x 3.5 x 20 inches
Weight	28 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

Model (Front Connectors)



Typical Performance Data

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Frequency (MHz)	Gain (dB)	Pout @	
		P1dB (dBm)	P3dB (dBm)
800	50	45.5	47.2
1200	51	44.1	46.0
1400	48	43.8	45.4
1800	51	44.8	46.5
2000	49	44.0	46.3
2250	49	45.7	46.7
2500	49	45.0	46.2

