

# Broadband Power Amplifier

20 - 6000 MHz

**PAS-00260-10**

10 Watts CW

## Features

- : Solid State Power Amplifier
- : Gain : 49 dB typ.
- : High IP3, 50.0 dBm typ.
- : Bench Top Case
- : Internal Cooling Fans
- : Type N Connectors

## Maximum Ratings:

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

Parameter	Specification @ 25°C
Rated Power Out (Psat)	10 Watts CW
Gain	49 dB typical
Pout @ P1dB	9 Watts Min
Flatness	± 3.0 dB Maximum
Frequency (MHz)	20-6000
Input Impedance	50 Ohms
Third Order Intercept	+50 dBm typical
Harmonic Distortion	-15 dBc typ. @ 9 Watts
Spurious	-60 dBc typ. @ 9 Watts
AC Power	90-132, 180-264 225 W
<b>MECHANICAL</b>	
Dimensions	17 x 3.5 x 20 inches
Weight	18 lbs max
Cooling	Internal Forced Air

## Model (Front Connectors)



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# Typical Performance Data

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Frequency (MHz)	Gain (dB)	VSWR I/P (:1)	VSWR O/P (:1)	P1db (dBm)	Psat (dBm)
20	54.20	2.06	4.21	43.10	45.60
1000	50.80	1.56	2.91	42.70	44.70
2000	48.90	1.53	2.72	40.20	41.80
3000	45.50	1.49	2.91	40.00	40.90
4000	45.20	1.77	2.61	39.20	40.60
5000	43.80	2.08	2.08	40.30	41.10
6000	44.00	2.09	2.00	38.90	40.00

