

Broadband Power Amplifier

2000 - 6000 MHz

PAS-20060-20

20 Watts CW

Features

- : Solid State Power Amplifier
- : Gain : 53 dB typ.
- : High IP3, 55.0 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)	43.5 dBm CW
Gain	53 dB typical
Pout @ P3dB	43 dBm Min
Flatness	± 3.5 dB Maximum
Frequency (MHz)	2000-6000
Input Impedance	50 Ohms
Third Order Intercept	+55 dBm typical
Harmonic Distortion	-15 dBc typ. @ 20 Watts
Spurious	-60 dBc typ. @ 20 Watts
AC Power	90-132 VAC, 275 W
MECHANICAL	
Dimensions	19 x 3.5 x 20 inches
Weight	28 lbs max
Cooling	Internal Forced Air

Model (Front Connectors)



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Typical Performance Data

PAS-20060-20

Frequency (MHz)	Gain (dB)	VSWR		P3db (dBm)	Psat (dBm)
		I/P (:1)	O/P (:1)		
2000	56.70	1.52	3.63	43.30	43.80
2500	57.80	1.41	3.26	44.10	44.50
3000	54.70	1.20	3.43	43.50	43.90
3500	56.90	1.49	3.15	43.80	44.20
4000	54.80	1.62	2.83	43.60	44.00
4500	53.00	1.56	3.05	43.40	43.90
5000	50.50	1.20	3.31	43.10	43.60
5500	50.80	1.73	2.58	43.10	43.50
6000	50.00	1.85	3.43	43.00	43.40

