

# RF Power Amplifier

# RF8002200-4

This solid state power amplifier is designed for reliable, trouble-free service. It operates in class A and includes RF protection circuits, fan cooling, and a 230 V AC power supply. The amplifier is accommodated in a 19" system housing.

### Features :

- \* 5 to 8 Watts saturated output power
- \* 37 dB minimum gain
- \* Electronic Attenuator in option
- \* Temperature protection



Case : RAC004-01

### Applications :

- \* Microwaves links
- \* Test Benchs
- \* Field testing
- \* Instrumentation

### Specifications

Characteristics	Data	Units
Frequency range	800 - 2200	MHz
RF output power CW		
Typ.	6	W
Min	4	W
Class	A	
Power gain	33	dB
Flatness	+/-2,5 dB	dB
Input power for rated output power	0	dBm
Max. input power	13	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
Load VSWR for rated outpout power	up to 1.5 : 1	
VSWR mismatch	infinite @ 4 W	
Protection circuits	Over temperature	
Harmonics typ.	-15	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order min.	45	dBm
RF connectors	N female	
Cooling	Forced air (self-contained fans)	
Operating temperature Range	0 °C ... + 40	° C
Power Supply	230 AC +/- 10 % ,47-63 Hz	V
Dimensions (W x L x H)	3 U 19" Rack 492 x 360 x 132	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

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