

# RF Power Amplifier

## RF502000-10 bi

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

### Features :

- \* 10 to 15 Watts saturated output power
- \* 47 dB minimum gain
- \* Electronic Attenuator in option
- \* one IN , one OUT
- \* Temperature protection



Case : RAC04-1

### Applications :

- \* Microwaves links
- \* Tests Bench
- \* Fields Test
- \* Instrumentations

### Specifications

Characteristics	Data	Units
Frequency range band 1	50 - 1000	MHz
band 2	900 - 2000	MHz
RF output power CW		
Typ.	15	W
Min	10	W
Class	A	
Power gain	40	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 output power	up to 1.5 : 1	
VSWR mismatch	10:1 at 10 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.	48	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 490 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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### R.F.P.A. S.A.

Parc d'activité de Fontaudin F33370 Artigues près Bordeaux  
 France Tél : +33 (0)5 56 86 85 84 Fax: + 33 (0) 5 56 86 55 56