

# RF Power Amplifier

# RF800880 - 100

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

### Features :

- \* 120 Watts saturated output power
- \* 50 dB minimum gain
- \* Electronic Attenuator in option
- \* Output isolator included
- \* Temperature protection



case : RAC012-01

### Applications :

- \* Microwaves links
- \* Test Bench
- \* Field Test
- \* Instrumentation

### Specifications

Characteristics	Data	Units
Frequency range	800 - 880	MHz
RF output power CW		
Typ.	120	W
Min	100	W
Class	A/AB	
Power gain min	50	dB
Flatness	+/- 2 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	Infinite	
Protection circuits	Load VSWR, overtemperature	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order min.		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)	4 U 19" Rack 482 x 460	mm

All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice

Made in European Union

10/8/01

## R.F.P.A. S.A.

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