

RF Power Amplifier

RF4001000 - 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
- * Meter in option
- * Temperature protection
- * RS232 or RS485 or IEEE in option



Applications :

- * RF links
- * Test Bench
- * Field Test
- * Instrumentation

Specifications

case : RAC008-02

Characteristics	Data	Units
Frequency range	400 - 1000	MHz
RF output power CW		
Typ.	120	W
Min	100	W
Class	A / AB	
Power gain	50	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 1.7 : 1	
VSWR mismatch	infinite @ 100 W power decrease	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order typ.		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)	RAC008-02 4 U p 460 mm	
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		