

Preliminary data sheet

RF Power Amplifier

RF10100 - 100 A

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 so as a 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
- * **class A**
- * Temperature protection

Applications :

- * RF links
- * Tests Bench
- * Fields Test
- * Instrumentations

Specifications

Characteristics	Data	Units
Frequency range	10 - 100	MHz
RF output power CW		
Typ.	120	W
Min	100	W
Class	A	
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 1.5 : 1	
VSWR mismatch	Infinite (the 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)	4 U 19" Rack 490 x 460 x 172	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		