

RF Power Amplifier

RF9002000-100

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 so as a 230 V AC power supply. The amplifier is accommodated in a 19" system housing.

Features :

- * 80 to 120 Watts saturated output power
- * 47 dB minimum gain
- * Electronic Attenuator in option 1
- * Power indicator via RS232 in option 2
- * LCD display with alarm and total remote control in option 3
- * Temperature protection

Applications :

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

Specifications

Characteristics	Data	Units
Frequency range	900 - 2000	MHz
RF output power CW		
Typ.	100 / 120	W
Min	80	W
Class	A	
Power gain	47	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	8:1 à 100 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.	58	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)	8 U 19" Rack 490 x 460 x 355	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		