

RF Power Source

RFS 1800 - 100

This solid state RF power source 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 for desk top.

Features :

- * 120 Watts saturated output power
- * including crystal oscillator
- * Power variation over more than 15 dB
- * Output power protection against VSWR
- * Temperature protection
- * GSM rate simulation, CW, or external modulator

Applications :

- * RF power generators
- * Power sources as a driver
- * Fields Test
- * Instrumentations

Specifications

* frequency can be chose from 1800 to 1900 MHz in the order

Characteristics	Data	Units
Frequency *	1800	MHz
RF output power CW		
Typ.	110	W
Min	100	W
Class	A/AB	
Crystal oscillator	yes	
Gain control	> 15	dB
External modulation	0 to 5V , up to 10 KHz	
Internal Modulation CW or GSM rate	217 Hz , 1/8 duty cycle	
Out impedance nom.	50	Ohms
Load VSWR for rated outpout power	up to 1.5 : 1	
VSWR mismatch,	Infinite	
Protection circuits	Load VSWR, overtemperarure	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
P fwd	meter	
P reflected	meter	
RF connector	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)	4U 19" 84 F desk top cabinet	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		