

# RF Power Source

# RFS 900 - 32

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 :

- \* 40 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 890 to 960 MHz in the order

Characteristics	Data	Units
Frequency *	900	MHz
RF output power CW		
Typ.	35	W
Min	30	W
Class	A/AB	
Crystal oscillator	yes	
Gain control <b>remote</b>	> 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)	3 U 19" 84 F desk top cabinet	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		