

RF Power Source

RFS 2450 - 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 housing.

Features :

- * 120 Watts saturated output power
- * including crystal oscillator
- * Power variation over more than 15 dB
- * Output isolator in option
- * Temperature protection

Applications :

- * Microwaves generators
- * Power sources as a driver
- * Fields Test
- * Instrumentations

Specifications

Characteristics	Data	Units
Frequency	2450	MHz
RF output power CW		
Typ.	120	W
Min	100	W
Class	A/AB	
Crystal oscillator	yes	
Gain control	> 15	dB
External power control	0 to 10	V
Out impedance nom.	50	Ohms
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch, with isolator	Infinite	
Protection circuits	Load VSWR, overtemperature	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	C W	%
RF ON/OFF	remote	
P fwd	0 to 10	V
P reflected	0 to 10	V
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)	4 U 19" Rack 490 x 460 x 188	mm

All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice