

RF Power Source

RFS 2450 - 50

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 :

- * 70 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.	60	W
Min	50	W
Class	A / AB	
Crystal oscillator	yes	
Gain control remote	> 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	remote	
P fwd remote	0 to 10	V
P reflect remote	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)	3 U 19" Rack 490 x 360 x 188	mm

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

remote : have to be use with a external control circuit

Made in European Union

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