

RF Power Source

RFS 40 - 1000

This solid state RF power source is designed for reliable, trouble-free service. It operates in a class C and includes RF protection circuits, cooling installations so as a 230 V or 380 V AC power supply. The amplifier is accommodated in a 19" system housing.

Features :

- * 1000 Watts saturated output power
- * including crystal oscillator
- * Power variation over more than 15 dB
- * Water coupling in option
- * Temperature protection

Applications :

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

Specifications

Characteristics	Data	Units
Frequency	40,68	MHz
RF output power CW		
Typ.	1100	W
Min	1000	W
Class	C	
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	Infinite (the power decrease)	
Protection circuits	Load VSWR, overtemperature	
Harmonics typ.	-40	dBc
Spurious typ.	-60	dBc
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 V AC or 380 V triphase	V
Dimensions (W x L x H)	6 U 19" Rack 490 x 460 x 264	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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