

# RF Power Source

# RFS 27 - 100

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 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
- \* Temperature protection

### Applications :

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

### Specifications

| Characteristics  | Data                             | Units |
|--|----------------------------------|-------|
| Frequency  | 27,125                           | MHz   |
| RF output power CW   |                                  |       |
| Typ.   | 120                              | W     |
| Min  | 100                              | W     |
| Class  | C                                |       |
| Crystal oscillator   | yes                              |       |
| Gain control <b>remote</b>   | > 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 <b>remote</b>  | remote                           |       |
| P fwd <b>remote</b>  | 0 to 10                          | V     |
| P reflect <b>remote</b>  | 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                         | V     |
| Dimensions (W x L x H)   | 3 U 19" Rack d : 360 mm          | 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

[WWW.rfpa.com](http://WWW.rfpa.com)

Made in European Union

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