

RF Power Source

RFS 900 - 250

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 :

- * 280 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 chosen from 890 to 960 MHz in the order

| Characteristics | Data | Units |
|--|----------------------------------|-------|
| Frequency * | 900 | MHz |
| RF output power CW | | |
| Typ. | 260 | W |
| Min | 250 | W |
| Class | A/AB | |
| Crystal oscillator | yes | |
| Gain control | > 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 output power | up to 1.5 : 1 | |
| VSWR mismatch, | Infinite | |
| Protection circuits | Load VSWR, overtemperature | |
| 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) | 6 U 19" | mm |
| All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice | | |