

RF Power Amplifier

RF4001000 - 50

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

Features :

- * 80 Watts saturated output power
- * 47 dB minimum gain
- * Electronic Attenuator in option
- * Meter in option
- * Temperature protection
- * RS232 or RS485 or IEEE in option



Applications :

- * RF links
- * Test Bench
- * Field Test
- * Instrumentation

Specifications

case : RAC008-02

| Characteristics | Data | Units |
|--|----------------------------------|-------|
| Frequency range | 400 - 1000 | MHz |
| RF output power CW | | |
| Typ. | 80 | W |
| Min | 50 | W |
| Class | A / AB | |
| Power gain | 47 | dB |
| Flatness | +/-2,5 dB | dB |
| Input power for rated output power | 0 | dBm |
| Max. input power | 13 | dBm |
| In / Out impedances nom. | 50 | Ohms |
| Input VSWR | 2 : 1 | |
| Load VSWR for rated output power | up to 1.7 : 1 | |
| VSWR mismatch | infinite @ 50 W power decrease | |
| Protection circuits | Load VSWR, over temperature | |
| Harmonics typ. | -20 | dBc |
| Spurious typ. | -60 | dBc |
| Modulation capability | 100 | % |
| Noise Figure typ. | 10 | dB |
| Intercept point 3 rd Order typ. | | dBm |
| RF connectors | 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) | RAC008-02 4 U p 460 mm | |
| All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice | | |

Made in European Union

07/08/2001

R.F.P.A. S.A.

Parc d'activité de Fontaudin F33370 Artigues près Bordeaux
 France Tél : +33 (0)5 56 86 85 84 Fax: + 33 (0) 5 56 86 55 56