

Preliminary data sheet

RF Power Amplifier

RF10002200-25IEEE

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

Features :

- * 50 to 60 Watts saturated output power
- * 43 dB minimum gain
- * **Electronic Attenuator, power , RF ON/OFF as a option control by IEEE**

- * Temperature protection

Applications :

- * Microwave link
- * Test Bench
- * Field Test
- * Instrumentation

Specifications

| Characteristics | Data | Units |
|--|----------------------------------|-------|
| Frequency range | 1000-2200 | MHz |
| RF output power CW | | |
| Typ. | 30 | W |
| Min | 25 | W |
| Class | A | |
| 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 1.5 : 1 | |
| VSWR mismatch | 8:1 à 25 W | |
| Protection circuits | Over temperature | |
| Harmonics typ. | -15 | dBc |
| Spurious typ. | -60 | dBc |
| Modulation capability | 100 | % |
| Noise Figure typ. | 10 | dB |
| Intercept point 3 rd Order min. | 55 | 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) | 4 U 19" Rack 490 x 460 x 176 | mm |
| All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice | | |

Made in European Union

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