

RF Power Amplifier module

AP04500-2

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A with a 26 V DC power supply. The amplifier is accommodated in aluminium housing.

Features :

- * 4 Watts saturated output power
- * 33 dB minimum gain
- * Electronic Attenuator in option
- * Overvoltage and reverse protection

Applications :

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

case B018-03

Specifications

| Characteristics | Data | Units |
|--------------------------------------------------------------------------------------|-----------------------------|-------|
| Frequency range | 0,4 MHz - 500 MHz | MHz |
| RF output power CW | | |
| Typ. | 3 | W |
| Min | 2 | W |
| Class | A | |
| Power gain | 33 | dB |
| Flatness | +/-2,5 dB | dB |
| Input power for rated output power | 0 | dBm |
| Max. input power | 10 | dBm |
| In / Out impedances nom. | 50 | Ohms |
| Input VSWR | 2 : 1 | |
| Load VSWR for rated output power | up to 1.5 : 1 | |
| VSWR mismatch | Infinite @ 2 W | |
| Protection circuits | Load VSWR, over temperature | |
| Harmonics typ. | -15 | dBc |
| Spurious typ. | -60 | dBc |
| Modulation capability | 100 | % |
| Noise Figure typ. | 10 | dB |
| Intercept point 3 rd Order typ. | | dBm |
| RF connectors | SMA female | |
| Cooling | by conduction | |
| Operating temperature Range | 0 °C ... + 55 | ° C |
| Power Supply | 26 DC +/- 5% | V |
| Dimensions (W x L x H) | 135 x 100 x 41 case B018-03 | mm |
| All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice | | |