



BEXT

FR 500

*Broadband
Solid State
Mosfet FM
Amplifier*

- Very high efficiency Mosfet technology amplifier
- Only 10 - 20 W drive input power to reach or exceed rated output power
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- High reliability, easy handling and consistent performance
- Totally broadband, no tuning requirement
- Excessive temperature and excessive drive power protection
- Compact size with built-in high-efficiency switching power supply
- Easy access due to modular construction
- Overload reset system with indicator lights
- Meets or exceeds all FCC and CCIR requirements
- Easily replaceable standard components
- Proportional Auto-Foldback of output power in the event of excessive VSWR
- Full remote control and telemetry capability, with all main parameters on rear contacts

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| AC Input power: | 100-130V or 198-250V, single phase 50-60 Hz |
| Frequency range: | 87.5-108 MHz |
| Rated Output Power: | 500 W |
| Drive Power required: | 10 – 20 W |
| RF Output Connector/Impedance: | "N" Connector Female / 50 Ohm |
| RF Input Connector/Impedance: | "N" Connector Female / 50 Ohm |
| Spurious and Harmonic Suppression: | Meets or exceeds all FCC and CCIR requirements |
| Power Consumption: | Approx. 900 W at full power (FR 500) |
| Cabinet Dimensions: | 483 mm (19") W x 133 mm (5-1/4") H x 550 mm (21.5") D (three standard rack spaces high) |
| Weight: | 30 Kg (66 Lbs) (FR 500) |
| Required Ambient Temperature Range: | 0° C to 45° C (32° F to 113° F) |
| Maximum Humidity | 90%, non-condensing |