



BEXT

**FR 300
FR 500
& FR 700**

*Broadband
Solid State
FM Amplifiers*

- 300, 500 or 700 W amplifiers in highly efficient, lightweight, compact size cabinets
- Fast access to all functions & parameters via user-friendly menus display w/ pushbuttons
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- Direct 90 V to 260 V extended range AC power input
- 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 switch-mode 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 & telemetry capability with all main parameters on rear terminal contacts



Specifications

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|--|---|
| AC Input power: | 90-260V (extended range), single phase, 50-60 Hz |
| Frequency range: | 87.5-108 MHz |
| Rated Output Power: | 300 W for FR 300 / 500 W for FR 500 / 700 W for FR 700 |
| RF Drive Requirement | Approximately 15 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 at full power: | Approx. 550 W (FR 300) / 900 W (FR 500) / 1200 W (FR 700) |
| Front Panel Size: | 483 mm (19") W x 88 mm (3 ½") H (2 rack standard spaces high) |
| Cabinet Dimensions: | 483 mm (19") W x 88 mm (3 ½") H x 432 mm (17") D |
| Boxed size for shipping: | 21" W x 8 ½" H X 21" D |
| Weight: | FR 300: 8.4 Kg (18½ lbs) / FR 500: 9.6 Kg (21 lbs) / FR 700: 10.5 Kg (23 lbs) |
| Boxed weight for shipping: | FR 300: 10 Kg (22 lbs) / FR 500: 11.2 Kg (24½ lbs) / FR 700: 12.1 Kg (26 lbs) |
| Required Ambient Temperature Range: | 0° C to 45° C (32° F to 113° F) |
| Maximum Humidity: | 90%, non condensing |