



**BEXT**

**FC 2000  
FC 4000  
FC 6000**

*FM Broadband  
MOSFET Amplifiers*

- Very high efficiency Mosfet technology amplifier
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- Totally broadband, no tuning requirement
- Excessive temperature and excessive drive power protection
- Overload reset system with indicator lights
- Compact size with built-in high-efficiency switching power supply
- 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 terminal board

<b>AC Input power:</b> (others available on request)	100-130 V Single Phase, 198-250 V Single Phase or 198-250 V Three Phase, 50-60 Hz
<b>Frequency range:</b>	87.5-108 MHz
<b>Rated Output Power:</b>	2000 W (FC 2000) • 4000 W (FC 4000) • 6000 W (FC 6000)
<b>Drive Requirement:</b>	FC 2000, 70 W • FC 4000, 150 W • FC 6000, 225 W
<b>RF Output Connector/Impedance:</b>	7/8" EIA Flange / 50 Ohm (FC 2000 & FC 4000) 1' 5/8" Flange / 50 Ohm (FC 6000)
<b>RF Input Connector/Impedance:</b>	"N" Connector Female / 50 Ohm
<b>Spurious and Harmonic Suppression:</b>	Meets or exceeds all FCC and CCIR requirements
<b>Power Consumption:</b>	Approx. 3800 W at full power (FC 2000) Approx. 7400 W at full power (FC 4000) Approx. 11200 W at full power (FC 6000)
<b>Cabinet Dimensions:</b>	483 mm (19") W x 311 mm (12-1/4") H x 790 mm (31") D (seven standard rack spaces high) (FC 2000) 483 mm (19") W x 800 mm (31-1/2") H x 790 mm (31") D (18 standard rack spaces high) (FC 4000) 483 mm (19") W x 120 mm (47-1/4") H x 790 mm (31") D (27 standard rack spaces high) (FR 1000)
<b>Weight:</b>	55 Kg (121 Lbs) (FC 2000) • 140 Kg (308 Lbs) (FC 4000) • 205 Kg (451 Lbs) (FC 6000)
<b>Required Ambient Temperature Range:</b>	0° C to 45° C (32° F to 113° F)
<b>Maximum Humidity</b>	90%, non-condensing