

BEXT

FD 1000 & FD 2000

Broadband

Solid State

Mosfet

FM Amplifier

FD 2000 shown

- Very compact FM Amplifier, only 3 rack spaces for 1 kW output or 6 rack spaces for 2 kW
- Two detachable cabinets, each one three rack spaces, for easy carrying
- Only 15 W or 30 W drive input power to reach, respectively, 1 kW or 2 kW output power
- User friendly, menu based LCD Display show all parameters and functions
- Totally broadband, no tuning requirement
- Four (FD 1000) or Eight (FD 2000) coupled RF Modules for exceptional reliability
- Excessive temperature and excessive drive power protection
- High efficiency switch-mode power supply
- Easy access due to modular construction
- Meets or exceeds all FCC and CCIR requirements
- Easily replaceable standard components
- Proportional Auto-Foldback of output power in the event of excessive VSWR or overloads
- Full remote control and telemetry capability, with all main parameters on rear terminal board

AC Power Source:	FD 1000: 120 / 220 V Single or Three Phase, 50-60 Hz FD 2000: 208 / 230 V Single or Three Phase, 50-60 Hz
Frequency range:	87.5 - 108 MHz
Rated Output Power:	1000 W (FD 1000); 2000 W (FD 2000)
RF Output Connector/Impedance:	7/8" EIA Flange / 50 Ohm
RF Input Connector/Impedance:	"N" Connector Female / 50 Ohm
Spurious and Harmonic Suppression:	Meets or exceeds all FCC and CCIR requirements
Approx. Power Consumption:	(at full power) 1750 W (FD 1000); 3500 W (FD 2000)
Cabinet Dimensions:	FD 1000: 483 mm (19") W x 133 mm (5¼") H x 655 mm (25¾") D (three standard rack spaces high) • FD 2000: 483 mm (19") W x 133 mm (5¼") H x 655 mm (25¾") D (3 standard rack spaces high) x 2 stackable cabinets
FD 1000 Weight:	31 Kg (68 lbs)
FD 2000 Weight of Power Supply Module:	21 Kg (46.2 Lbs)
FD 2000 Weight of RF Module:	34 Kg (74.8 Lbs)
FD 2000 Weight, Total:	55 Kg (121 Lbs)
Cooling:	Air cooled
Required Ambient Temperature Range:	0° C to 45° C (32° F to 113° F)
Maximum Humidity:	90%, non-condensing
Serial Interface:	2 x DB 9 (One RS 232 + One I2C bus networking)
Telemetry Interface	7 Analog inputs (Fwd Pwr, Rfl Pwr, Temperature, VPA, IPA, Power Input, Internal SWR), Four digital inputs, 8 open collector digital outputs