

**1 KW FM Broadband MOSFET Amplifier 87.5 - 108 MHz Range**

- Extremely high efficiency MOSFET technology amplifier.
- High gain PA, capable of peak power of more than 1000 W output power with less than 15 drive input power.
- Automatic gain control providing fixed output power even in case of fluctuating drive power.
- High reliability, easy handling and consistent performance standard achieved among the various units due to total absence of tuning requirements.
- Compact size.
- Meets or exceeds all FCC and CCIR requirements.
- Easily replaceable standard components.
- Advanced recycling overload and protection system.
- 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 connector.



### TECHNICAL SPECIFICATIONS

Frequency Range:	87.5-108 MHz
RF input power	12W norm. 15 W max.
RF Output Power:	1000 W $\pm$ 0.5dB
RF Output Connector/Impedance:	7/16 DIN Connector/50 ohm
RF Input Connector/Impedance:	"N" Connector/50 ohm
RF monitor connector	BNC
RF monitor attenuation	54 dB
Harmonic and spurious emission:	< -70 dBc
ALC output power stability:	$\pm$ 3%
AC Input Power:	110-125/220-240 Volts Single Phase
Max Total current capability on aux socket	1A @ 230 VAC, 100Wmax, not fused
Power Consumption:	1900-2000 W from AC
Overall Dimensions:	19" (483 mm) wide x 7" (117 mm) high x 21" (535 mm ) depth.
Weight:	55 Lbs (25 Kg)
Recommended Ambient Temperature :	0° to 30° C (32° to 85° F)
Maximum Humidity	90%, non-condensing