

500 W FM Broadband MOSFET Amplifier 87.5 - 108 MHz Range

- Extremely high efficiency MOSFET technology amplifier.
- High gain PA, typically capable of more than 500 W output power with less than 10 W 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.
- 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.
- FCC Notified



TECHNICAL SPECIFICATIONS

Frequency Range:	87.5-108 MHz
RF input power	6- 10 W max.
RF Output Power:	500 W \pm 0.5dB
RF Output Connector/Impedance:	"N" 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
Power Consumption:	900-1000 watts from AC
Overall Dimensions:	19" (483 mm) wide x 7" (117 mm) high x 16" (420 mm) depth.
Weight:	90 Lbs (41 Kg)
Recommended Ambient Temperature :	0° to 30° C (32° to 85° F)
Maximum Humidity	90%, non-condensing