



ELTRONIKA SRL



FM Solid State Amplifier **EKA 2500S**

The EKA 2500S is a power amplifier for FM-sound broadcasting. It is designed to operate in band II-VHF from 88 to 108MHz. All the R.F. Circuitry is broadband with power stage in solid state technology and output capability up to 2500W. Thanks to these features, the EKA 2500S can operate without adjustment. The unit is enclosed in a cabinet for 19"-4U rackmounting. The EKA 2500S uses Microcontroller technology for the protection and measurement circuitry, which controls RF output power, SWR, temperature, unbalancing and regulated voltage supply (Vdc). Our product can solve any customer's problem, because it unites high reliability and performance with low cost.

TECHNICAL CHARACTERISTICS

RF SECTION

Frequency range	87.5 - 108MHz
Modulation	FM
Output power	2500W (± 0.25 dB)
Gain	17.5dB
RF Input impedance	50
RF Output impedance	50
Harmonic attenuation	-70dBC
RF Input connector	N
RF Output connector	N

GENERAL

Power supply	115/230Vac, $\pm 10\%$, 50/60Hz
Typical power consumption	3600VA
RS232 Socket	DB9 Connector
Telemeasuring socket	DB9 Connector
Cabinet	Rack 19"-20U
Dimensions	1080x565x685mm
Weight	150Kg.
Ambient temperature	-5° to +45°C
Relative humidity	20% - 90%

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