



ELTRONIKA SRL



FM Solid State Amplifier **EKA 1000**

The EKA 1000 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 1000W. Thanks to these features, the EKA 1000 can operate without adjustment. The unit is enclosed in a cabinet for 19"-4U rackmounting. The EKA 1000 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	1000W (± 0.5 dB)
Gain	19dB
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	1800VA
RS232 Socket	DB9 Connector
Telemeasuring socket	DB9 Connector
Cabinet	Rack 19"-6U
Dimensions	510x485x265mm
Weight	41kg
Ambient temperature	-5° to +45°C
Relative humidity	20% - 90%

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