



ELTRONIKA SRL



TV Solid State UHF LDMOS Amplifier **AUTV/500LD**

The AUTV/500LD amplifier is an apparatus designed to be used as final power stage or driver for higher-power amplifiers in the UHF TV band.

It is able to supply a power of 500W (sync.peak) in class AB and is completely realized with solid state technology. The power supply of the apparatus is provided by a switching power supply for the RF power module and a traditional transformer for the control board. The protection board uses all the potential of a microprocessor to check all the parameters of the amplifier module and the voltage of the power supply.

An output band-pass filter provides for the attenuation of the spurious products. The final result is a compact apparatus, it is all inside a standard 19"-6U cabinet, with a very good price-to-quality ratio.

TECHNICAL CHARACTERISTICS

RF SECTION

Frequency range	470 - 860MHz
Output power	500W
Gain	25dB
Out stage technology	Solid State LDMOS
I.M.D. (-8, -10, -16dB)	< -54dB
Standards	B, D, G, I, K, M, N
RF Spurious products	Better than -60dB
Filter insertion loss	0.6dB
RF Input connector / impedance	N Female / 50
RF Output connector / impedance	N Female / 50

GENERAL

Power supply	115/230Vac Single phase, $\pm 10\%$
Typical power consumption	1150VA with colour bar signal
RS232 Socket	DB9 Connector
Telemeasuring socket	DB9 Connector
Cabinet	Rack 19"-6U
Ambient temperature	-5° to +45°C
Relative humidity	20% - 90%

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