



ELTRONIKA SRL



**50W
OUTPUT POWER**

III Band VHF TV Amplifier **AVTV/50A**

The AVTV/50A is a Broadband TV class AB Amplifier with rated output power of 50W. It is developed to amplify the Amplitude Modulation signal, in IIIBd VHF.

It is completely manufactured with solid state technology and modular design in one cabinet for mounting in 19" rack with 5 units height, accessible inside by removing the upper and lower panels.

Thanks to its features, the preferable use of the AVTV/50A is as RF Amplifier in small- and medium-size installations.

It can operate without adjustment with power supply from electrical network. The apparatus uses Microcontroller technology for the protection and measurement circuitry, which controls RF output power, SWR, temperature, current and voltage of the RF module.

The I.M.D. is substantially reduced when the Transmitter or the Transposer uses the Linearity Precorrector. A 6-cell Notch Filter is available at the amplifier output to attenuate the intermodulation products levels in the external range.

TECHNICAL CHARACTERISTICS

RF SECTION

Frequency range	III Band
Output power	50W sync.peak
Gain	16dB
Input Connector	N Female
Output Connector	N Female
I.M.D. (-8, -10, -16dB)	< -54dB (with IF Pre-corrector)
Spurious and harmonics level	Better than -60dB

GENERAL

Power supply	110/220 Vac +10% -25% 50Hz-60Hz
Typical power consumption	350VA
Dimensions	19"- 5U 510x485x265mm
Ambient temperature	-5° to +45°C
Humidity	20% - 90%
Weight	40Kg.

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