



**ELTRONIKA** SRL



Rack 19"-10U (optional)

**250W  
OUTPUT POWER**

## TV Solid State VHF Transmitter **TXVP200**

The TXVP200 is a Broadband TV class AB Amplifier with rated output power of 250W. It is developed to amplify the Amplitude Modulation signal, in IIIBd VHF.

The Amplifier is produced completely with Solid State MOS technology. The final result is a compact apparatus, it is all inside a standard 19"-10U cabinet (*optional*), with a very good price-to-quality ratio.

Thanks to its features, the preferable use of the AVTV/100A 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.

Our product can solve any customer's problem, because it unites high reliability and performance with low cost.

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	170 - 230MHz
Output power	250W sync.peak
Gain	16dB
Out stage technology	Solid State MOSFET
I.M.D. (-8, -10, -16dB)	< -54dB (with IF Pre-corrector)
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

### SOUND SECTION

Input level	1Vpp (adj.)
Input impedance	600 Balanced
Input connector	Twinax
Pre-emphasis	50 s
Frequency response	30Hz - 15kHz, $\pm 0.5$ dB
Total harmonic distortion	< -0.5%
FM Signal-to-noise ratio	> -68dB
(referred to +/-50kHz dev. f = 400Hz)	> -60dB (unweighed)

### VIDEO SECTION

Input level	1Vpp
Input impedance	75
Return loss	26dB
Differential gain	< 10%
Differential phase	< 6°
Group delay	$\pm 40$ ns
Input connector	BNC Female
Sideband spectrum response	According to the standard
Amplitude frequency response	According to the standard

### GENERAL

Power supply	115/230Vac Single phase, $\pm 10\%$
Typical power consumption	700VA
RS232/RS485 Socket	DB9 Connector
Telemeasuring socket	DB9 Connector
Dimensions	Rack 19"-10U (Optional) 540x510x470
Ambient temperature	-5° to +45°C
Humidity	20% - 90%
Weight	20Kg.

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