



Rack 19"-10U (optional)

**150W
OUTPUT POWER**

TV Solid State VHF Transmitter **TXVP100**

The TXVP100 is a Broadband TV class AB Transmitter with rated output power of 150W. It is developed to broadcast Amplitude Modulation signals, in IIIBd VHF.

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

It can operate without adjustment with power supply from electrical network. It 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	150W sync.peak
Gain	13dB
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, ± 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	± 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	400VA
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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