



ELTRONIKA SRL



Rack 19"-20U (optional)

**1500W
OUTPUT POWER**

**MOSFET Technology TV Transmitter
TXVP1500**

TXVP1500

Caratteristiche principali:



- Alta qualità Video/Audio
- Amplificazione classe AB
- Alimentazione switching-mode
- Display LCD per il controllo dei parametri
- Gestione completa della macchina tramite microprocessore
- Disponibilità di telecontrollo dell'amplificatore finale
- Visualizzazione degli allarmi di massima potenza, SWR, temperatura, sbilanciamento, tensione di alimentazione
- Completa ridondanza di funzionamento

TXVP1500

Main features:



- High Video/Audio quality
- Class AB amplification
- Switching-mode power supply
- LCD Display to check the parameters
- Managed completely by microprocessor
- The final amplifier may be remotely controlled
- Display of the alarms for maximum power, SWR, temperature, unbalancing, power supply voltage
- Complete working redundancy

TXVP1500

Características principales:



- Alta calidad de Video/Audio
- Amplificación clase AB
- Alimentación a "Switching mode"
- Display LCD para el control de los parámetros
- Gestión completa del equipo a través de microprocesador
- Disponibilidad de telecontrol al amplificador final
- Visualización de las alarmas de máxima potencia, SWR, temperatura, desbalance y tensión de alimentación
- Redundancia completa de funcionamiento

TECHNICAL SPECIFICATIONS

RF SECTION

Frequency band	170 - 230MHz
Vision/Sound power ratio	10/1 single sound
Out stage technology	Solid state MOSFET
Vision/Sound amp.	Common
Output power	1500W PEP
Output power control	Automatic or manual (switch-selected)
Output frequency stability	2.5ppm (option 0.05ppm)
Local oscillator	PLL-controlled with TCXO for reference
I.M.D.	< -54dB
Spurious and harmonics level	< -60dB
RF Output impedance	50 (75 on request with output transformer)
RF Output connector	7/16"
Intermediate frequency	38.9 or 45.75MHz on request

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 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	230Vac, $\pm 10\%$, 50/60Hz 400Vac 3P+N (on request)
Power consumption	3000VA at black level
RS232 Socket	DB9 Connector (on front panel)
RS485 Socket	DB9 Connector (on rear panel)
Telemeasuring socket	DB9 Connector (on rear panel)
AGC Socket	DB9 Connector (on rear panel)
Power factor	0.9
Ambient temperature	-5° to +45°C
Relative humidity	20% - 90%
Altitude	Up to 2,500 meters
Cooling	Forced air
Cabinet	Rack 19"-20U

ELTRONIKA
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