



new

BLUE VIDEO ATVST-CNV

Exciter for Analogic TV



BLUE VIDEO

FEATURES

- Precorrection with three slope control on front panel.
- Predisposition to professional precorrector, it furnish more performance at 10W.
- Synthesized oscillator with 25Hz step (precision 1Hz).
- BLUE VIDEO integrates a timer switch for automatic commutation between two externals IF sources (DUAL CAST mode).
- Optionally BLUE VIDEO can be used as analog or digital repeater.
- Internal Modular System.
- Forced air cooling.
- Low noise.
- Low cost.

Technical Specifications



Generals

Frequency range	470÷860 MHz
Output power	5 Watt (Class A) ; 10 Watt (Class A/B)
Standard	B,G,M,I,K PAL/NTSC
Power supply	100-250 Vac 47-63 Hz
Power consumption	80VA
Operating temperature	0 ÷ +45 °C
5 W power amplifier	IMD (-8; -10; -16 dB) -60 dB @ 2 W (pre-correction off)
	IMD (-8; -10; -16 dB) -65 dB @ 2 W (pre-correction on)
10 W power amplifier	IMD (-8; -10; -16 dB) -52 dB @ 10W(pre-correction off)
	IMD (-8; -10; -16 dB) -60 dB @ 10W(pre-correction on)
Power stability	± 0,5 dB
Harmonics suppression	<- 60 dBc (with output filter)
Video connector	BNC female
Audio connector	Mini XLR
Enabling IN/OUT ed ALC connector	
	15 pin type D
RS 232 connector	9 pin type D

Video

Input level	1 Vpp / 75Ω
Differential gain	< 5%
Differential phase	< 5°
Group delay	± 50 nS
Level frequency response	± 0,5 dB
Signal to noise ratio	<-60 dB (weighted)

Audio

Input level	0 dBm ± 6dB / 600Ω (optional 10 KΩ)
Level frequency response	± 0,3 dB (30Hz±15Khz)
Harmonic distortions	< 0,4 %
Signal to noise ratio	> 65 dB (30Hz±15Khz not weighted RMS with de-emphasis)

Protections

Max VSWR	
Max Idc	
Max Temperature	
Max output power	

Dimensions

Dimensions	Std. 19" frame, 29,34 H (1,15") x 483 (19") W x 550 (21,65") D mm.
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Rev.0.1

These are general specifications. They show typical values and are subject to change without notice.