

VAM01/DV

This digital quality ANALOG unit uses a new back-porch clamping circuit combined with a full band linearity corrector; the VAM 01/DV allows you to achieve perfect video quality. It delivers superior video modulation, with negligible distortions and intermodulations, for PAL. This unit produces sound and video modulated signals at any standard intermediate frequency. An excellent quality SAW filter is used for impeccable vestigial sideband modulation. The sound and video intercarrier is synchronized by PLL to the video line frequency for maximum stability and negligible intermodulations. This modulator is a part of professional TV transmitters, modulator has an IF output 38.9 MHz (PAL)



VIDEO	
Input connector	BNC unbalanced
Input impedance	75
Input signal level	1 Vp.p.
Input return loss	>30 dB
Differential gain	< ± 1 %
Differential phase	< ± 1°
Amplitude frequency response (in the vision band)	< ± 0.5 dB
Group delay frequency response (in the vision band)	< ± 20 nS
S/N ratio	> 65 dB
2T K factor	< 1 %
Luminance non linearity	< 0.5 %

AUDIO	
Input connector	XLR balanced
Input impedance	600
THD (50 KHz peak deviation at 1 KHz)	< 0.4 %
S/N (50 KHz peak deviation at 1 KHz)	≥65 dB
Deviation from preemphasis curve (20 Hz to 15 KHz)	± 0.5 dB

IF OUTPUT	
Output frequency	Factory set to 38.9 MHz PAL
Output level of video carrier	-10 to +5 dBm adjustable
Output frequency stability	± 50 Hz
Output impedance	50
Output connector	BNC
Harmonic and spurious emissions	< -60 dBc
In band intermodulation (3 tone CCIR test)	< -65 dBc

OPERATING CONDITIONS	
Operating temperature range	-5 °C to + 45 °C
Ambient humidity	max. 95%

POWER SUPPLY	
AC power supply	115/208/230/240 Vac ±15%, 47 to 62Hz
DC power supply (optional)	24 Vdc ±20%
Power consumption	19 VA

MECHANICAL	
Cabinet	Standard 19" 1U
Dimensions	W 483, D 380, H 45 mm
Weight	6.5 kg