



Stand alone modulators

VSB TV modulators

- frequency agile vestigial sideband TV modulators
- LED display and push buttons control of internal microprocessor
- non-volatile channel memory
- PLL crystal stabilization of carriers frequency
- adjustable RF output level and audio input level
- loop through RF combining
- low level harmonics and intermodulation products
- built-in test pattern generator
- die-cast housing
- connectors:
video/audio - type RCA socket
RF - type F

MT32

standards: B/G/D/K/Au/I/L

MT32C

standards: B/G/D/K/Au stereo A2, I/L mono



Technical specifications

T Y P E		MT32	MT32C
Ordering number		14803	14804
Video input	frequency range	20 Hz - 6 MHz	
	level/impedance	1 V ± 0.1 V/75 Ω	
Audio input	frequency range	20 Hz - 15 kHz	
	level adjustment	0 ÷ 7 dB	± 6 dB by 2 dB step pr.
	level/impedance	775 mV/10 kΩ	
RF output	level (typical)/impedance	95 dBμV/75 Ω	
	level adjustment	0 ÷ -15 dB	
	output channels pr. according channels charts	B/G/D/K/Au/I/L	B/G/D/K/Au stereo A2, I/L mono
	frequency range pr.	45-862 MHz	
Sound subcarrier frequency pr.		5.5 MHz, 6.0 MHz, 6.5 MHz	
Second sound subcarrier frequency pr.		-	5.742 MHz*/6.258 MHz**
Fine tuning range of video carrier frequency pr.		± 2.25 MHz max. by 0.25 MHz step	
Combining through loss		2.5 dB	
Frequency range of RF combining		45-862 MHz	
A/V ratio pr.		12/16 dB	
Amplitude modulation depth, typical		81 %	
Signal/noise ratio, weighted		≥ 55 dB	
II, III order intermodulation distortion		< -60 dB	
Power consumption		230 V~ 50/60 Hz 5.5 W	230 V~ 50/60 Hz 6 W
Operating temperature range		-10° ÷ +50° C	
Dimensions/Weight (packed)		135x180x52 mm/0.74 kg	

* B/G/Au stereo A2

** D/K stereo A2

pr. software control