



Agile TV modulators

DSB TV modulators

- frequency agile double sideband TV modulators
- non-volatile channel memory
- PLL crystal stabilization of carriers frequency
- adjustable audio input level
- loop through RF combining
- whole TV range covered by one model
- built-in test pattern generator
- connectors:
video/audio - type 3xRCA socket,
RF - F type

MT29

standards: B/G/D/K/H/I/L/M/N

MT29C

standards: B/G/D/K/stereo A2



Technical specifications			
T Y P E		MT29	MT29C
Ordering number		11830	11831
Video input	frequency range	20 Hz - 6 MHz	
	level/impedance	1 V $\pm$ 1 dB/75 Ω	
Audio input	frequency range	20 Hz - 15 kHz	
	level/impedance/deviation*	775 mV RMS/10 k Ω /50 kHz	
RF output	level (typical) /impedance	100 dB μ V/75 Ω	
	level adjustment	0 $\div$ -15 dB	
	TV channel according channels charts	B/G/D/K/H/I/M/N	B/G/D/K
	frequency range	47-84 MHz, 170-300 MHz, 470-862 MHz	
Sound subcarrier frequency		4.5 MHz, 5.5 MHz, 6.0 MHz, 6.5 MHz	stereo A2
Fine tuning range of video carrier frequency		$\pm$ 2.25 MHz max. by 0.25 MHz step	
Combining trough loss Terr/SAT		1.5/2.5 dB	
Frequency range of RF combining		5-860 MHz	
Video frequency response		$\pm$ 1 dB	
A/V ratio		12/16 dB	
Amplitude modulation depth, typical		81 %	
Signal/noise ratio, weighted		$\geq$ 55 dB	
II, III order intermodulation distortion		< -60 dB	
Power consumption		230 V~ 50 Hz 4.5 W	230 V~ 50 Hz 5 W
Operating temperature range		-10° $\div$ + 50° C	
Dimensions/Weight (packed)		128x120x54 mm/0.5 kg	

* available to set standard deviation $\pm$ 50 kHz of sound carrier when input level 150 mV $\pm$ 775 mV

pr. software control