



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/stereo A2



Technical specifications		MT29	MT29C
T Y P E			
Ordering number		11830	11831
Video input	frequency range	20 Hz - 6 MHz	
	level/impedance	1 V ± 1 dB/75 Ω	
Audio input	frequency range	20 Hz - 15 kHz	
	level/impedance/deviation*	775 mV RMS/10 kΩ/50 kHz	
RF output	level (typical) /impedance	100 dBμV/75 Ω	
	level adjustment	0 ÷ -15 dB	
	output channels/ frequency range	21-69 (G, H, I, K)/470÷862 MHz; 14-78 (M, N)/470÷862 MHz; 6-SR18 (D)/174÷294 MHz** E5-S20 (B)/174÷300 MHz***; 1-3 (D)/ 48.5÷84 MHz**; E2-E4 (B) /47÷68 MHz***	
Carriers accuracy		± 20 kHz	
Sound subcarrier frequency		5.5 MHz, 6.0 MHz, 6.5 MHz	stereo A2
Fine tuning range of video carrier frequency		± 2.25 MHz max. by 0.25 MHz step	
Combining trough loss SAT/Terr		2.5/1.5 dB	
Frequency range of RF combining		5-2150 MHz	
Video frequency response		± 1 dB	
A/V ratio, switchable		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 Hz 4.5 W	230 V~ 50 Hz 5 W
Operating temperature range		-10° ÷ + 50° C	
Dimensions/Weight (packed)		128x120x54 mm/0.5 kg	

* available to set standard deviation ± 50 kHz of sound carrier when input level 150 mV÷775 mV

** output channels are specified when sound subcarrier frequency 6.5 MHz (standard OIRT)

*** output channels are specified when sound subcarrier frequency 5.5 MHz (standard CCIR)

pr. software control