

Agile TV 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
- whole TV range covered by one model
- low level harmonics and intermodulation products
- built-in test pattern generator
- connectors:
video/audio - type RCA socket
RF - F type

MT30A

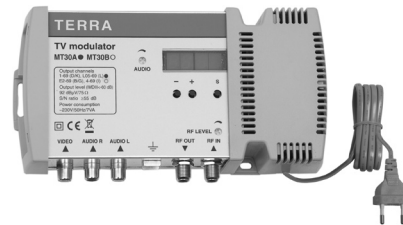
standards: D/K/L

MT30B

standards: B/G/I

MT30C

standards: B/G/stereo A2



Technical specifications		MT30A	MT30B	MT30C
TYPE				
Ordering number		00897	00898	00899
Video input	frequency range	20 Hz - 6 MHz		
	level/impedance	1 V ± 3 dB/75 Ω		
Audio input	frequency range	20 Hz - 15 kHz		
	level/impedance*	775 mV/10 kΩ		
RF output	level/impedance	80 ÷ 95 dBμV (adjustable)/75 Ω		
	output channels/ frequency range	L05-69 (L)/176÷862 MHz 1-69 (D/K)/48.5÷862 MHz	E2-E69 (B/G) /47÷862 MHz 4-69 (I)/174÷862 MHz	E2-E69 (B/G) /47÷862 MHz
Carriers accuracy		± 20 kHz		
Sound subcarrier frequency		6.5 MHz	5.5 MHz, 6.0 MHz	stereo A2
Fine tuning range of video carrier frequency		± 2.25 MHz max. by 0.25 MHz step		
Combining through 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 6 W		
Operating temperature range		-10° ÷ +50° C		
Dimensions/Weight (packed)		180x87.5x50.5 mm/0.65 kg		

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

pr. software control