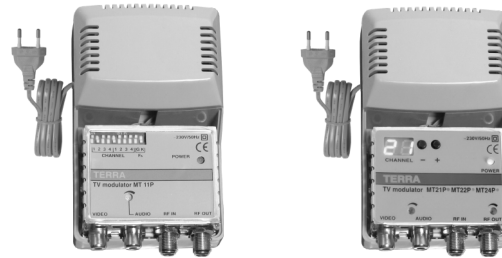




Agile TV modulators

DSB TV modulators

- frequency agile double sideband TV modulators
- non-volatile channel memory
- PLL crystal stabilization of carriers frequency
- built-in power supply
- adjustable audio input level
- loop through RF combining
- connectors:
video/audio - type 2xRCA socket
RF - F type



MT11P, MT12P, MT14P

output channel changing,
standard selecting by DIP switch;
MT11P standards: G, H, I, K, M, N (UHF range);
MT12P, MT14P standards: B, D (VHF range)

MT21P, MT22P, MT24P, MT27P

LED display and push buttons control of internal microprocessor;
adjustable RF output level;
protection from unauthorized access;
MT21P standards: G, H, I, K, M, N (UHF range);
MT22P, MT24P standards: B, D (VHF range);
MT27P standards: G, H, I, K, M, N, B, D

Technical specifications

T Y P E		MT11P	MT21P	MT12P	MT22P	MT14P	MT24P	MT27P	
Ordering number		00822	00890	00823	00891	00824	00892	11829	
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 adjustment	+1 ± -14 dB							
	level/impedance/deviation*	775 mV RMS/10 kΩ/50 kHz							
RF output	level (typical)/impedance	75 dBμV/75 Ω	85 dBμV/75 Ω	75 dBμV/75 Ω	85 dBμV/75 Ω	75 dBμV/75 Ω	85 dBμV/75 Ω		
	level adjustment	-	0 ± -15 dB	-	0 ± -15 dB	-	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		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		± 50 kHz							
Sound subcarrier frequency		4.5 MHz, 5.5 MHz, 6.0 MHz, 6.5 MHz		5.5 MHz, 6.5 MHz				4.5 MHz, 5.5 MHz 6.0 MHz, 6.5 MHz	
Fine tuning range of video carrier frequency		-	± 2.25 MHz max. by 0.25 MHz step	-	± 2.25 MHz max. by 0.25 MHz step	-	± 2.25 MHz max. by 0.25 MHz step		
Combining through loss		< 2.0 dB						< 1.5 dB	
Frequency range of RF combining		47-862 MHz							
Video frequency response		± 1 dB							
A/V ratio		13 ± 3 dB						12/16 dB switchable	
Amplitude modulation depth, typical		75%							
Adjusting of amplitude modulation depth		-	± 6 %	-	± 6 %	-	± 6 %	-	
Signal/noise ratio, weighted		≥ 55 dB							
Power consumption		230 V/50 Hz/ 3 VA							
Operating temperature range		-10° ± + 50° C							
Dimensions/Weight (packed)		78x118x47 mm/0.37 kg							

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

pr. software control