

# Agile TV modulators

## DSB TV modulators

- frequency agile double sideband multistandard TV modulators
- LED display and push buttons control of internal microprocessor
- non-volatile channel memory
- PLL crystal stabilization of carriers frequency
- die-cast housing inside plastic case
- built-in power supply
- adjustable audio input level & RF output level
- protection from unauthorized access
- loop through RF combining
- connectors:  
video/audio - RCA sockets  
RF - F female

**MT41**  
standards: G/H/I/L/K/M/N/Au (UHF range)

**MT47**  
standards: B/G/D/K/H/I/L/M/N/Au  
(UHF & VHF ranges)

**MT57**  
standards: B/G/Au/stereo A2,  
D/K/H/I/L/M/N/mono (UHF & VHF ranges)



**CABRIOLINE**

Technical specifications		MT41	MT47	MT57
TYPE		MT41	MT47	MT57
Ordering number		12860	12862	12863
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	0 ÷ 7 dB		± 6 dB by 2 dB step <span>pr.</span>
	level/impedance/deviation	775 mV RMS/10 kΩ/50 kHz*	2x775 mV RMS/10 kΩ/50 kHz*	2x775 mV RMS/10 kΩ/50 kHz**
RF output	level (typical)/impedance	90 dBμV/75 Ω	85 dBμV/75 Ω	85 ± 3 dBμV/75 Ω
	level adjustment	0 ÷ -20 dB		
	output channels <span>pr.</span> according channels charts	G/H/I/L/K/M/N/Australia	B/G/D/K/H/I/L/M/N/Australia	B/G/Australia
	frequency range <span>pr.</span>	470-862 MHz	45-84 MHz, 170-230 MHz, 470-862 MHz	
Sound subcarrier frequency <span>pr.</span>		4.5 MHz, 5.5 MHz, 6.0 MHz, 6.5 MHz		stereo A2***
Fine tuning range of video carrier frequency <span>pr.</span>		±2.25 MHz max. by 0.25 MHz step		
Combining through loss Terr/SAT		1.5 dB/-	1.5 dB/2.5 dB	
Frequency range of RF combining		5-860 MHz	5-2150 MHz	
DC pass through RF input/output		-	0.3 A max.	
Video frequency response		± 1 dB		
A/V ratio <span>pr.</span>		12/16 dB		
Amplitude modulation depth, typical		81 %		
Signal/noise ratio, weighted		≥ 55 dB		
Power consumption		230 V~ 50 Hz 3.5 W		230 V~ 50 Hz 4 W
Operating temperature range		-10° ÷ + 50° C		+10° ÷ + 50° C
Dimensions/Weight (packed)		133x63x39 mm/0.36 kg		133x73x39 mm/0.36 kg

\* available to set standard deviation ± 50 kHz of sound carrier when input level 340 mV±775 mV

\*\* available to set standard deviation ± 50 kHz of sound carrier when input level 388 mV±1545 mV RMS in both audio inputs

\*\*\* second sound subcarrier frequency 5.742 MHz - B/G/Au/stereo A2

pr. software control