



# Stand alone modulators

## DSB TV modulators

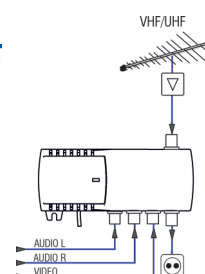
- frequency agile double sideband multistandard TV modulators
- LED display and push buttons control of internal microprocessor
- non-volatile channel memory
- PLL crystal stabilization of carriers frequency
- built-in power supply
- adjustable audio input level & RF output level
- protection from unauthorized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

**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

T Y P E		MT41	MT47	MT57
<b>Ordering number</b>		12860V1	12862V1	12863V1
<b>Video input</b>	frequency range	20 Hz - 6 MHz		
	level/impedance	1 V ± 0.1 V/75 Ω		
<b>Audio input</b>	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
<b>RF output</b>	level (typical)/impedance	90 dBμV/75 Ω	85 dBμV/75 Ω	
	level adjustment	0 ÷ -20 dB		
	output channels <span>pr.</span> according channels charts	G/H/I/L/K/M/N/Au	B/G/D/K/H/I/L/M/N/Au	
	frequency range <span>pr.</span>	470-862 MHz	45-84 MHz, 170-300 MHz, 470-862 MHz	
<b>Sound subcarrier frequency</b> <span>pr.</span>		4.5 MHz, 5.5 MHz, 6.0 MHz, 6.5 MHz		
<b>Second sound subcarrier frequency</b> <span>pr.</span>		-	5.742 MHz*	
<b>Fine tuning range of video carrier frequency</b> <span>pr.</span>		±2.25 MHz max. by 0.25 MHz step		
<b>Combining through loss</b>		1.5 dB	2.5 dB	
<b>Frequency range of RF combining</b>		5-862 MHz		
<b>A/V ratio</b> <span>pr.</span>		12/16 dB		
<b>Amplitude modulation depth, typical</b>		81 %		
<b>Signal/noise ratio, weighted</b>		≥ 55 dB		
<b>Power consumption</b>		230 V~ 50/60 Hz 3.5 W	230 V~ 50/60 Hz 3 W	230 V~ 50/60 Hz 4 W
<b>Operating temperature range</b>		-10° ÷ + 50° C		+0° ÷ + 50° C
<b>Dimensions/Weight (packed)</b>		133x63x39 mm/0.36 kg		133x73x39 mm/0.36 kg

\* B/G/Au stereo A2

pr. software control