



# Stand alone modulators

## HDMI to DVB-T modulators

Modulating from HDMI signal source into COFDM modulated DVB-T RF channel.

- frequency agile digital TV modulator
- LED display and push buttons control of internal microprocessor
- RF loop through input
- die-cast housing inside plastic case
- connectors:
  - RF input/output - type F
  - digital input - HDMI
  - DC IN - 3.5/1.3 mm DC jack (reducer 5.5/2.1 mm in scope)

**CABRIOLINE**



**Technical specifications**

T Y P E		MHD001	MHD001P*
<b>Ordering number</b>		14807	14808
<b>Video input</b>	input signal type	HDMI	
	video coding	MPEG-4 AVC/H.264, Baseline profile 4.0	
<b>Audio input</b>	input signal type	HDMI	
	audio coding	MPEG-1 Layer II, AAC	
<b>H.264 Encoder</b>	standard	MPEG-4 AVC/H.264	
<b>Output resolution</b>		up to 1920x1080x30p	
<b>Transport stream processing</b>	automatic generation	PAT, SDT, PMTs tables	
<b>RF output</b>	DVB standard	DVB-T	
	frequency range	174 - 230 MHz, 470-862 MHz	
	MER, typical	32 dB	
	modulation	QAM64	
	channel bandwidth	7 MHz/ 8 MHz	
	shoulder attenuation	> 36 dB	
	level/impedance	90 dB $\mu$ V/75 $\Omega$	
	output level adjustment	0 $\div$ -30 dB by 1 dB step	
loop through frequency range/loss		45-862 MHz / $\leq$ 2.5 dB	
<b>Current consumption</b>		12 $\pm$ 1 V 300 mA	-
<b>Power consumption</b>		-	100-240 V~ 50/60 Hz 4 W
<b>Operating temperature</b>		0 $^{\circ}$ C $\div$ +40 $^{\circ}$ C	
<b>Dimensions/Weight (packed)</b>		133x63x39 mm/0.18 kg	133x63x39 mm/0.34 kg

pr. software control

\* MHD001P is packed with external power supply SYS1381-1212-W2E