

# Programmable multiband amplifier

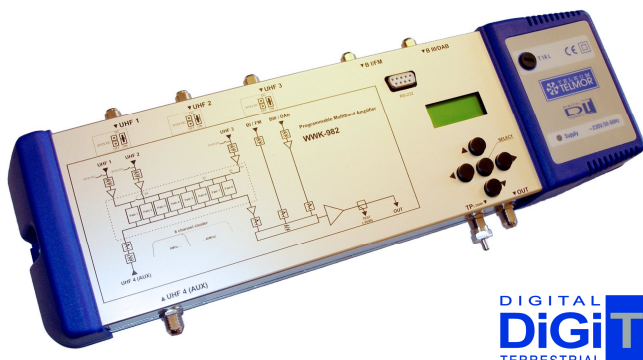


ISO 9001 CERTIFIED

## WWK-982



RoHS



The **WWK-982** programmable multiband amplifier is designed for using in collective antenna systems receiving terrestrial digital TV (DVB-T) programs in detached houses, residences, hotels, holiday centers, schools, hospitals, etc. Even situated in places with difficult reception conditions where received signals have different levels and are coming from different directions. Amplifier designed for receiving these signals, selecting requested channels, equalizing their levels and amplifying them.

The **WWK-982** amplifier can be used:

- as a part of a simple head-end – up to frequency of 860 MHz.
- as an independent unit as a part of a satellite multiswitch systems – as additional signal source of RTV signals to the input of individual multiswitch.

The **WWK-982** multiband amplifier is dedicated for indoor use.

- Designed for RTV collective antenna installations – MATV and SMATV systems
- Built-in RS-232 port, LCD and uP controller
- Selective amplification of up to 8 UHF signals. Each of these filters can have 1...6 channels (8...48MHz) bandwidth
- Ready to digital terrestrial TV transmission – DVB-T
- Low power consumption
- Easy installation and adjustment

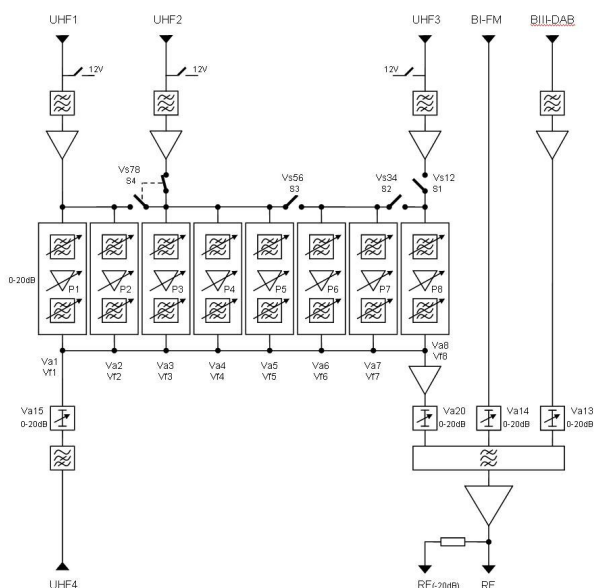
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## TECHNICAL SPECIFICATIONS

TYPE		WWK-982					
Inputs	/	BI-FM	BIII-DAB	UHF 1	UHF 2	UHF 3	UHF4
Frequency range	MHz	47-108	174-230	470-862			470-862
UHF filter	/			2	3	3	
				2	5	1	
				2	6	0	
				5	0	3	
				7	0	1	
				8	0	0	
Gain	dB	26 ±2	45 ±2	44 ±3			30 ±3
Attenuator adjustment range	dB	20 ±2	20 ±2	20 ±2 (each filter)			20 ±2
Output level attenuator	dB	--		20 ±2 (all signals combined)			--
Noise Factor	dB	9	4	9			17
Max. Input level	dBuV	90	80	80			80
Max. Output level <sup>1)</sup>	dBuV	115		115			
Selectivity (dla f=f <sub>p</sub> ±16MHz)	dB	--		≥ 14			--
Return loss	dB	10		8			8
Programmable filter bandwidth	/	--		1...6 x TV Channel (8MHz)			--
Ampl. char. ripples – filter bandwidth 1 Channel (8MHz)	/	--		max. 3			--
Ampl. char. ripples – filter bandwidth 2...6 Channels (8...48MHz)	/	--		max. 6			--
External preamplifiers supply	V DC / mA	--		0/12V/24V / 50			--
Output level measurement range	dBuV	95-115					
Test output	dB	-20 ±2					
OTHERS							
Power supply	V AC / VA	230 / 20					
Operating temperature range	°C	-5...+50					

<sup>1)</sup> DIN 45004B, -54dBc/IM3

## BLOCK DIAGRAM



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