

Programmable multiband amplifier

WWK-951



The **WWK-951** 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-951** 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-951** 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 UHF signals. Each of these filters can have 1..6 TV channels (8...48MHz) bandwidth
- Ready to digital terrestrial TV transmission – DVB-T
- Low power consumption
- Easy installation and adjustment

TECHNICAL PARAMETERS

NAME/ PARAMETERS		WWK-951			
Inputs		BI / FM	VHF	UHF1	UHF2
Frequency range	MHz	47-108	174-230	470-862	
UHF filter	/	/	/	2	3
				1	4
				0	5
Gain	dB	21 ±2	35 ±2	45 ±3	
Attenuator adjustment range	dB	20 ±2	20 ±2	20 ±2 (each filter)	
Noise factor	dB	6	5	9	
Max. Input level	dBuV	90	80	80	
Max. Output level ¹⁾	dBuV	107		116	
Selectivity dla $f=f_p \pm 16\text{MHz}$	dB	/		16	
Programmable filter bandwidth	/	/		1...6 x TV channel (8...48MHz)	
Input / Output impedance	Ω	75 / 75			
OTHER					
External preamplifiers supply	V DC / mA	/		0-12-24 / 60 each UHF inputs	
Short Circuit signaling	/	/		yes, LED diode – red colour	
Operating temperature range	°C	-5...+50			
Power supply	V AC / Hz	230 / 50-60			
Power consumption	VA	20			

¹⁾ DIN 45004B, -54dBc/IM3

Technical parameters may change without earlier notice

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