

## Programmable multiband amplifier

### WWK-9103



- Adapted to receive the signals of digital terrestrial television DVB-T
- Designed for RTV collective antenna installations MATV and SMATV systems
- 3 UHF inputs
- Selective amplification of up to 10 UHF signals. Each of these filters can have 1...6 channels (8...48MHz) bandwidth
- Build-in over voltage protection, and short circuit protection
- LTE800 filters at UHF inputs
- LTE700 filtering optional



The **WWK-9103** 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-9103** 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-9103** continues the newest achievements of TELKOM-TELMOR: LTE 800 filters, new over voltage protection and short circuit protection. When input level is too high user is able to use bypass of input amplifier.

Amplifier is ready for DAB, FM, DVB-T (VHF & UHF)

5 inputs : **FM, VHF, UHF1, UHF2, UHF3**

Gain UHF = 55 dB

Gain VHF = 48 dB

Gain FM = 32 dB

## TECHNICAL PARAMETERS

DESIGNATION		WWK-9103				
Inputs	/	FM	VHF	UHF1	UHF2	UHF3
Max input level	dB	90	80	90		
Gain	dB	32	48	55		
Noise figure	dB	9	5	7		
Gain regulation	dB	20				
Global UHF attenuator	dB	-	-	20		
Max output level VHF/UHF (IM3-60dB)	dB $\mu$ V	120		117		
Selectable filter allocations	/	-		3 1 - 3 1 -	5 7 8 - - -	2 2 2 7 9 10
Bandwidth of filtered channels	MHz	-	8 - 56			
Filters selectivity $\pm$ 10 MHz	dB	-	10			
Input return loss	dB	-	> 10			
Output return loss	dB	-	>10			
<b>AUTRES</b>						
Power supply	V/AC	Desktop 12/ 2,5				
Power consumption at 230VAC	W	9...16				
Remote supply UHF	V/mA	12 or 24 / 80				
Input equipped with remote supply	V/mA	UHF 1, 2 and 3				
Operating temperature	$^{\circ}$ C	-5..+40				
Connector type	/	„F” female				
Dimensions	mm	225 x 220 x 50				
Weight	kg	0,90				
Package	/	box				

The technical parameters may be subject to change with no prior notification.

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