

Tubular TV preamplifier

PAR-820R LTE PROTECTED SAW



- Includes band stop filter (SAW) 791-862MHz
- Ability to amplify RTV signals from a passive antenna without the necessity of disassembly
- Wide range of permissible supply voltages
- Installation in a convenient point of coaxial cable or directly on the antenna or branching filter
- Low self-noises
- High resistance to intermodulation
- Insignificant current draw
- Resistance to external electromagnetic fields (robust metal casing)

MUX8



RoHS

The **PAR-820R LTE PROTECTED SAW** tubular TV preamplifier is an improved version of the PAR-820 LTE PROTECTED SAW amplifier in which, in addition, the input and the output have been swapped, allowing the preamp to be installed directly on outputs of the T-urbo-T and DIGIT antennas and output of the ZWR-210DC antenna branching filter. The preamp is used to amplify weak terrestrial TV signals received by a passive antenna. Thanks to the **SAW technology**, the preamp eliminates the LTE800 signals and does not remove the DVB-T signals.

The preamplifier's casing design allows its assembly in any point of coaxial antenna cable. This means that the preamplifier can be used in the existing antenna system without the necessity to disassembly the antenna. Due to deterioration of the signal/noise ratio along with increase of distance from the antenna, it is recommended to locate the preamplifier as close to the antenna as possible.

PAR-820R tubular preamplifier is designed for indoor use. The device is supplied through a coaxial cable from the output side. Due to wide range of permissible supply voltage (5-24V), the amplifier can be supplied directly from tuner or TV set (those devices must be able to provide DC 5V voltage), or through an external power supply separator (together with power adaptor).

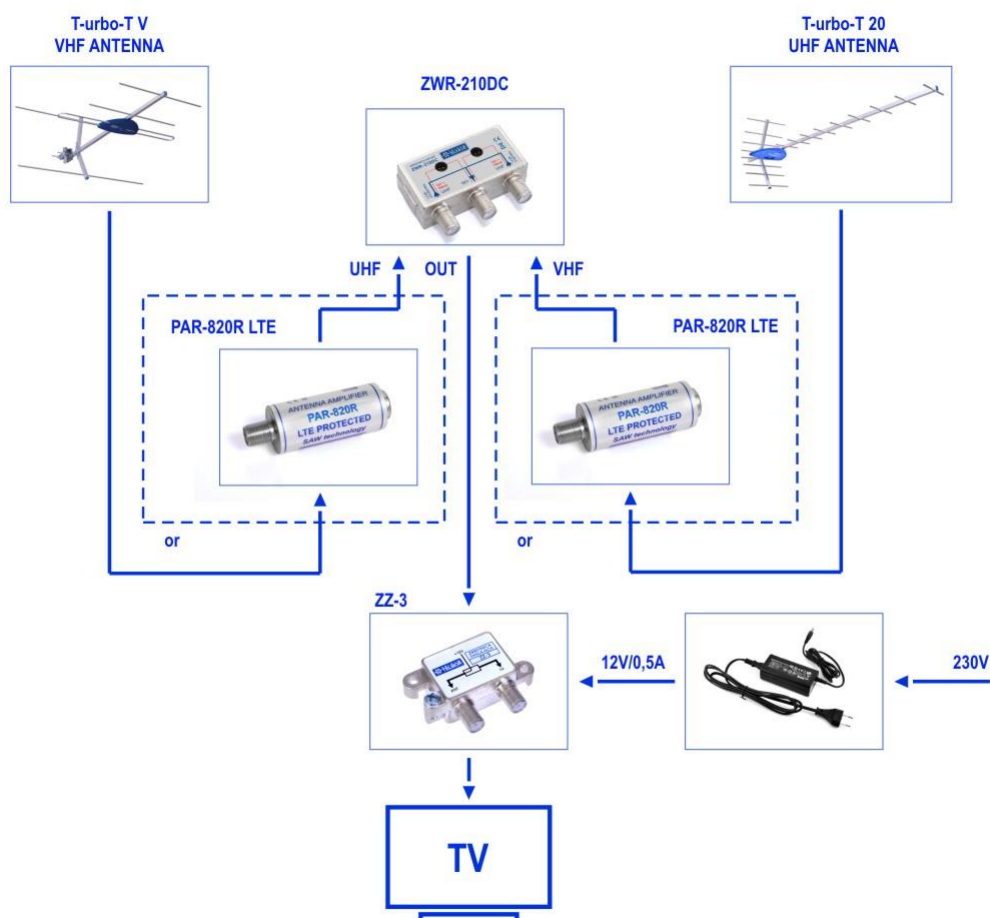
The **LTE PROTECTED** version includes built-in SAW technology (sharp edge & depth filtration).

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TECHNICAL PARAMETERS

NAME / PARAMETERS		PAR-820R LTE PROTECTED SAW
Bandwidth	/	FM / VHF / UHF
Frequency range	MHz	47-790
Gain: in pass band @774 MHz @803 MHz	dB	18.0 ±1,0 17.8 -5
Stop band	dB	791-862
Return loss	dB	8
Maximum output level	dBμV	110
Noise figure	dB	3.0 (VHF); 4.0 (UHF)
Impedance input / output	Ohm/Ohm	75 / 75
OTHER		
Power supply	V _{DC}	5...24
Current draw	mA	40
Type of connector input / output	/	F
Dimensions	mm	ø20x62
Weight	kg	0.06
Package	/	blister

APPLICATION EXAMPLE



Technical parameters are subject to changes without notice

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