

## Tubular TV preamplifier

### PAR-820 LTE PROTECTED



**PAR-820** tubular TV preamplifier is intended for amplifying poor ground TV signals received by a passive receiver antenna. 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-820** 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).

- 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
- Low self-noises
- High resistance to intermodulation
- Insignificant current draw
- Resistance to external electromagnetic fields (solid metal casing)

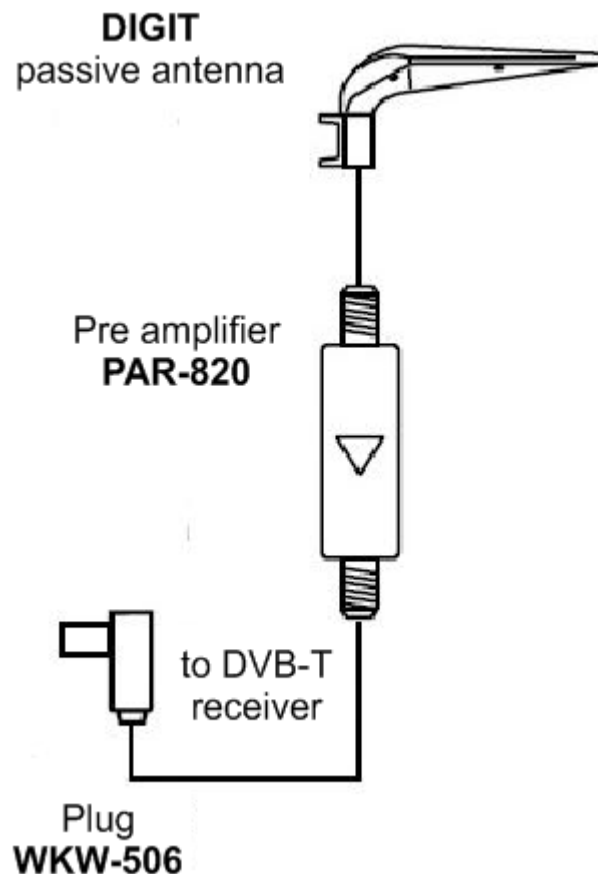
*Technical parameters are subject to changes without notice.*

[www.telmor.pl](http://www.telmor.pl)

## TECHNICAL PARAMETERS

TYPE		PAR-820 LTE PROTECTED
Frequency range	MHz	470-790
Amplification in the operating band	dB	19 ±2,0
Attenuation beyond the operating band (filter+amplifier)	dB@MHz	2/800 -10/900
Maximum output level	dBuV	99
Noise figure	dB	4
Impedance input/output	$\Omega$ / $\Omega$	75 / 75
OTHER		
Power supply	V <sub>DC</sub>	5...24
Current draw	mA	40
Type of connector input/output	/	"F" male / "F" female

## EXAMPLE OF APPLICATION



Technical parameters are subject to changes without notice.

[www.telmor.pl](http://www.telmor.pl)