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MiniKom EasyF broadband multiband amplifier

4 inputs: FM-VHF-UHF-UHF

Configurable headend multiband amplifier for MATV systems with separate amplification that guarantees the absence of intermodulation among inputs.

Equipped with 4 inputs: FM-VHF-UHF-UHF; the VHF and UHF inputs have both selectable gain margins, whereas the FM input has a single amplifying stage.

Equipped with a switch for LTE790 or LTE700 filtering, and an output LED signal indicator for immediate network failure detection.

Ref.562421

Art.Nr

MVNF440DD12

EAN13

8424450214855

Highlights

- Very compact size (103 mm x 103 mm x 50 mm)
- Switch for LTE filtering (790/700), to remove mobile phone interference
- LED indicators to display the presence of both output signal and power supply
- Switched configurable gain (high/low), and high output level
- Two amplifying stages for TV bands
- Switch-mode power supply ensuring low power consumption
- EasyF connection system
- High-screening Zamak chassis

Main features

- Test output (-30 dB)
- Intuitive front cover, including adjustments and block diagram
- ON/OFF DC pass switch on VHF and UHF inputs for pre-amplifier or BOSS system powering
- Can be wall-mounted using screws

Discover

EasyF connection system: simplicity and savings

EasyF is an innovative connection concept where the inner conductor of the coaxial cable is directly inserted in the device, thus improving connection reliability. Thanks to the absence of F connectors, the chassis can be reduced and the connection of two cables secured with a single screw.

- Real time savings: speeding the installation is possible without the need for coaxial cable termination. Furthermore, there is no need for screwing the connectors on the device, which is sometimes difficult when there is little room
- Connection reliability: the clamp holding the cables prevents the coaxial cable to come off
- Cost savings: no additional connectors are required (neither F nor IEC)
- Space optimization: inputs and outputs are always on the same side of the device to prevent coaxial cables from bending, and to make working inside cabinets and register boxes easier
- Very easy three-step mounting: only screwing and unscrewing the covers is required to connect both cables:

1. Unscrew the device's cover to access the connection

2. Insert the previously stripped coaxial cables

3. Close the cover and screw to ensure connection

Learn more about EasyF system reliability

With EasyF, the connection between the coaxial cable and the device is carried out using an automated system for contact insertion of the inner conductor, without any soldering.

- Always as new: the device's operating life increases when the factor of solder wearing out with time is removed
- Failure rate reduction: usually produced as a result of cold soldering joints
- Electromagnetic behaviour optimization: for high frequencies
- Our commitment with environment is reinforced: pollution caused by the welding process is eliminated and production power consumption is reduced

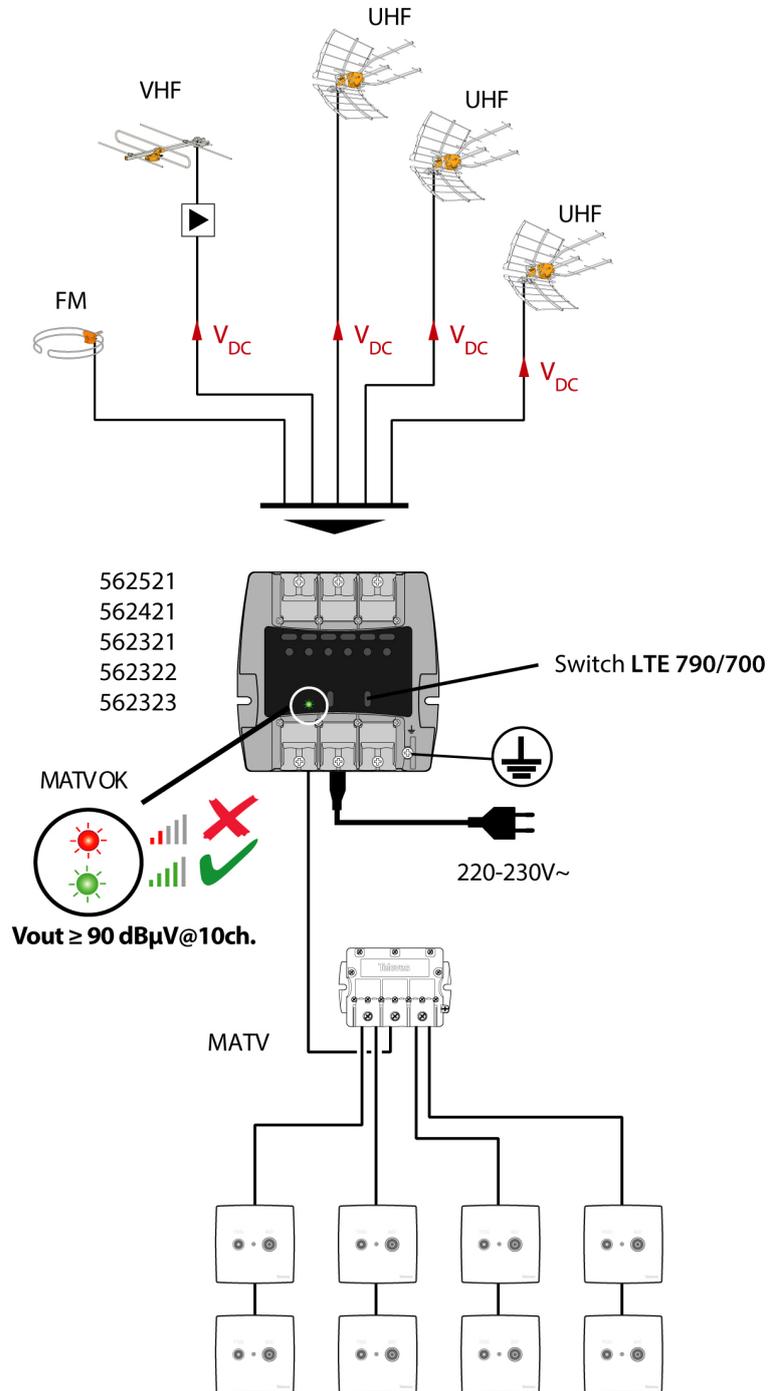
Why choose an amplifier with switchable LTE790/700 filter?

The anti-LTE filtering switch integrated in Televes amplifiers allows you to select the appropriate internal filter between channels 60 (790MHz) or 48 (694MHz), adapting it to the DTT channeling frequencies of the region, so that it completely rejects the type of signal LTE that may interfere with the product.

This functionality offers versatility to maintain an installation free of interference in all LTE situations, covering the filtering requirements in any territory with a single amplifier, before, during and after the transition period. In addition, it simplifies the installation logistics, being only necessary to switch the filter to adapt the installation to the Digital Dividend operating in the region, and also allowing to adapt it to contingencies that may occur in the execution of the Dividend, in terms of delays or advances in its planning.

Application example

(Click to see the picture)



Technical specifications

| | | | | | |
|------------------------------------------------------|-------------------|------------|--------------------|--------------------|--------------------|
| Bands | | | U1-U2 | VHF | FM |
| Frequency margin | LTE790 | MHz | 470...782 | 174...400 | 88...108 |
| | LTE700 | | 470...694 | | |
| Gain | 0 | dB | 36 | 34 | 15 |
| | 10 | | 26 | 24 | |
| Gain adjustment range | | | Manual 0 ... 20 | Manual 0 ... 20 | Manual 0 ... 20 |
| Max. output level | IMD3 (2ch, -35dB) | dB μ V | 123 | 121 | 120 |
| | DIN 45004B | | 116 | 114 | 113 |
| | IMD3 (2ch, -60dB) | | 113 | 111 | - |
| | IMD2 (2ch, -60dB) | | - | 103 | - |
| Noise figure | | dB | 10 | 4 | 6 |
| Test | | | -30 | | |
| Power supply inputs | | V | 12 | 12 | - |
| Max. current through inputs | | mA | 200 | 200 | - |
| | | | 400 max. | | |
| Mains voltage / frequency | | V~ /Hz | 220 - 230 / 50-60 | | |
| Total AC consumption (without input powering) | OFF | W, mA | 4.6 / 55 | | |
| Total AC consumption (with input powering) | ON | W, mA | 7.5 / 82 | | |
| Protection index | | IP | 20 | | |
| Operating temperature range | | °C | -5 ... +45 | | |