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MiniKom EasyF broadband multiband amplifier

5 inputs: FM-VHF-UHF-UHF-SAT

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

Equipped with 5 inputs: FM-VHF-UHF-UHF-SAT; the VHF and UHF inputs have both selectable gain margins, whereas the FM input has a single amplifying stage. The SAT stage includes a switch for LNB powering selection, either local mode (through the power supply itself) or remote mode (through an external STB).

Equipped with LTE700 filtering and an output LED signal indicator for immediate network failure detection.

Ref.562221

Art.Nr

MVNSF536DD2

EAN13

8424450228487

Highlights

- Very compact size (103 mm x 103 mm x 50 mm)
- 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
- Power selection switch for LNB: local or remote
- 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

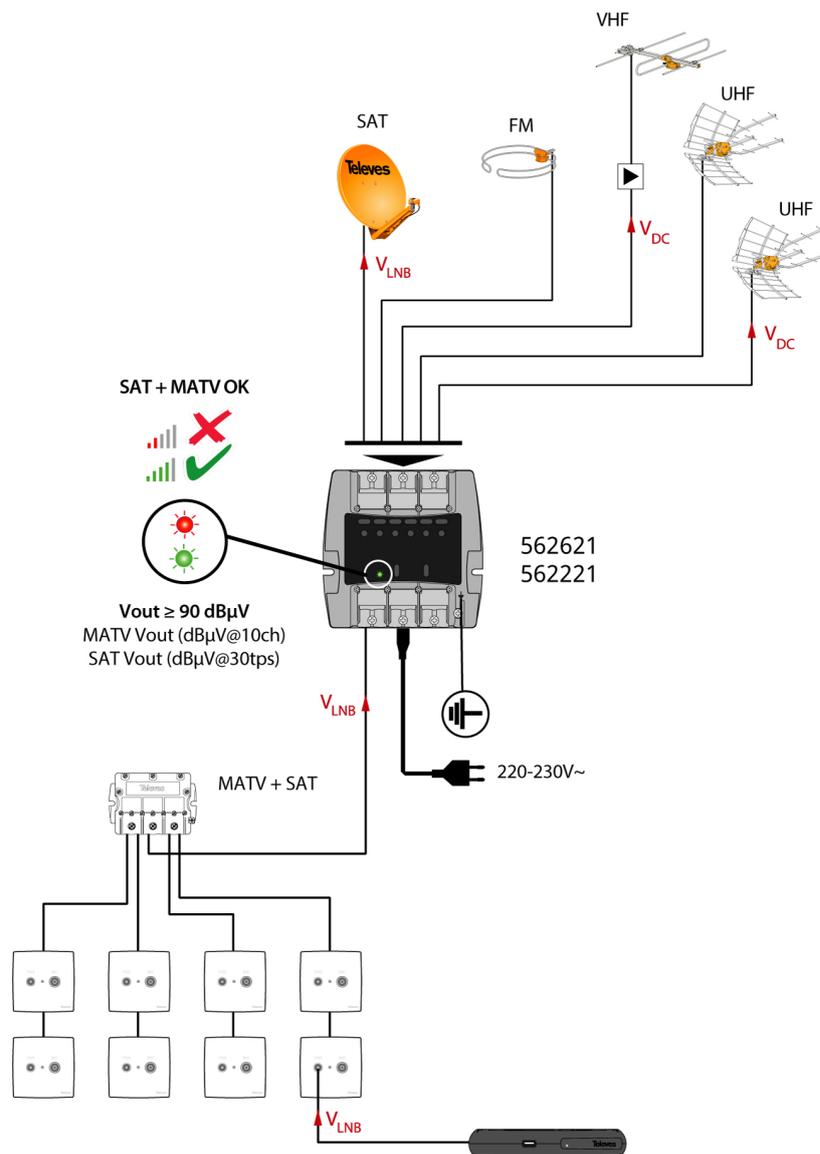
Learn more about EasyF system reliability

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

Application example

(Click to see the picture)



Technical specifications

Bands			FM	VHF	U1-U2	SAT
Frequency margin		MHz	88...108	174...400	470...694	950...2150
Gain	0	dB	15	34	36	42
	10			24	26	
Gain adjustment range			Manual 0 ... 20	Manual 0 ... 20	Manual 0 ... 20	Manual 0 ... 30
Input equalizer			-	-	-	Manual 0...15
Max. output level	IMD3 (2ch, -35dB)	dB μ V	120	121	122	123
	DIN 45004B		113	114	115	-
	IMD3 (2ch, -60dB)		-	111	112	-
	IMD2 (2ch, -60dB)		-	>101	-	-
Noise figure		dB	6	5	7	11
Test			-30			
Local power supply LNB		V	-			12
Maximum local current LNB		mA	-			400
Remote power supply LNB		V	-			V _{Rx}
Maximum remote current LNB		mA	-			500
Power supply inputs		V	-	12	12	-
Max. current through inputs		mA	-	200	200	-
			400			
Mains voltage / frequency		V~ /Hz	220 - 230 / 50-60			
Total AC consumption (without input powering)	OFF	W, mA	6.5 / 70			
Total AC consumption (with input powering)	ON	W, mA	12.5 / 120			
Protection index		IP	20			
Operating temperature range		°C	-5 ... +45			