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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 LTE700 filter, and an output LED signal indicator for immediate network failure detection.

Ref.562422

Art.Nr

MVNF440DD2

EAN13

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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
- 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

Technical specifications

Bands			U1-U2	VHF	FM
Frequency margin		MHz	470...694	174...400	88...108
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)	dBμV	123	121	120
	DIN 45004B		116	114	113
	IMD3 (2ch, -60dB)		113	111	-
	IMD2 (2ch, -60dB)		-	103	-
Noise figure		dB	10	5	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	10.5 / 110		
Protection index		IP	20		
Operating temperature range		°C	-5 ... +45		