



## Outdoor multiband amplifier 12V broadband inputs AM series

**art. 28-037/40-42**  
**AM20 V+4-5 12V**



Outdoor multiband amplifier with broadband inputs, indicated for single or small size TV systems.

This amplifier is designed to optimize the amplification of DTT signals in the range E05÷E12+E21÷E48, attenuating the 700 MHz band without preventing the proper functioning of the channel E48.

The two inputs are so distributed:

- 1 VHF+4 band input;
- 1 band 5 input.

The band 5 input is equipped with a trimmer (0÷15 dB) as level regulator, while the VHF+4 band input is equipped with 2 resistive trimmers, one for the VHF band and another for the band 4.

Each input is equipped with a jumper (under the lid) to enable the remote power supply.

The band 4 includes up to E40 channel (630 MHz), while the band 5 includes from E42 channel to E48 channel (638÷684 MHz).

### Characteristics

- Shielded housing with screw F-type connectors
- Separate amplification for the VHF and UHF bands
- All broadband inputs are amplified
- Fixing accessory suitable for masts up to Ø 60 mm included

Code	28-037/40-42	
Item	AM20 V+4-5 12V	
No. of inputs	2	
No. of adjustments (0÷15dB)	3	
VHF band noise figure	dB	4
UHF band noise figure	dB	5
VHF band max output level*	dBµV	110
UHF band max output level*	dBµV	117
VHF+4 input gain	dB ±2	22 - 22
5 input gain	dB ±2	22
Absorbed current	mA	100
Supply voltage	Vdc	12
Dimensions (LxWxH)	mm	87x48x105
Packaging dimensions (LxWxH)	mm	110x60x120
Packaging weight	Kg	0,21
Fit temperature	°C	-10 ÷ +55
Compliant to EU directives	2014/53/UE, 2011/65/UE	

\* Maximum output level measured with the method IM3 -35dBc 2 tones.

Technical data refer to a temperature of 25 °C

### Example of application

