



Outdoor multiband amplifier 12V broadband inputs AM series

art. 28-045/40-42 AM20 V-4-5-U 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 four inputs are so distributed:

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

Each input is equipped with a trimmer (0÷15 dB) as level regulator and a jumper to enable the remote power supply. The jumpers are located under the lid.

The band 4 includes up to E40 channel (630 MHz), while the band 5 includes from E42 channel to E48 channel (638÷694 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	28-045/40-42	
Item	AM20 V-4-5-U 12V	
No. of inputs	4	
No. of adjustments (0÷15dB)	4	
VHF band noise figure	dB	4
UHF band noise figure	dB	8
VHF band max output level*	dBμV	110
UHF band max output level*	dBμV	117
VHF input gain	dB ±2	22
4 input gain	dB ±2	20
5 input gain	dB ±2	20
UHF inputs gain	dB ±2	21
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

