## Data sheet







## Outdoor multiband amplifier 12V broadband and channel inputs ACK series

## art. 28-068 ACK3/10 V-4+1Can.U-5 12V





















Outdoor multiband amplifier with broadband and channel inputs, indicated for small size TV systems, particularly suitable to receive:

- from one direction, the channels of band 4 plus the channel 40 (i.e. Rai channels 26, 30, 40 and regional channel, more the channels of other broadcasters);
- from a second direction, the channels of the band 5, to the exclusion of the channel 40 (i.e. 🚧 MEDIASET channels 36, 38, 49, 52 and 56, DFREE ch. 50, LA3 ch. 37, plus the channels of other broadcasters). Designed to properly receive channel 40, avoiding any disturbances arising from the mixing of the two antennas.

This amplifier is designed to optimize the amplification of DTT signals in the range E02÷E60, attenuating the LTE 800 MHz band without preventing the proper functioning of the channel E60.

Each input is equipped with a coaxial attenuator (0÷20 dB) as level regulator and a switch to enable remote power supply, with the exception of 4 + 1Can.U input which is equipped with two coaxial attenuators.

The 4 coaxial attenuators (0÷20 dB) are distributed as follows:

- 1 for VHF band
- 1 for band 4
- 1 for band 5
- 1 for channel

Created with calibration on request. When ordering you must specify:

- the last channel of the band 4 and the first of the band 5
- the UHF channel which you want to be included in 4 + 1Can.U input

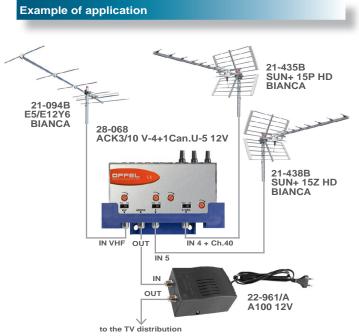
The VHF band includes up to S20 channel (300 MHz), with the exception of FM signals.

## **Characteristics**

- Shielded housing with screw F-type connectors
- All broadband and channel inputs are amplified
- Separate amplification for the VHF and UHF bands

Code		28-068
Item		ACK3/10 V-4+1Can.U-5 12V
No. of inputs		3
No. of coaxial attenuators (0÷20	dB)	4
VHF band noise figure	dB	4
UHF band noise figure	dB	5
VHF band max output level*	dΒμV	110
UHF band max output level*	dΒμV	120
VHF band gain	dB ±2	12
Band 4+Can. gain	dB ±2	10-10
Band 5 gain	dB ±2	9
Absorbed current	mA	90
Supply voltage	Vdc	12
Dimensions (LxWxH)	mm	142x60x130
Packaging dimensions (LxWxH)	mm	145x60x140
Packaging weight	Kg	0,5
Fit temperature	°C	-10 ÷ +55
Compliant to		EN 55083-2, EN 60065

<sup>\*</sup> Maximum output level measured with the method IM3 -35dBc 2 tones. Technical data refer to a temperature of 25 °C



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