



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
UHF band noise figure	dB
VHF band max output level*	dBμV
UHF band max output level*	dBμV
VHF band gain	dB ±2
Band 4+Can. gain	dB ±2
Band 5 gain	dB ±2
Absorbed current	mA
Supply voltage	Vdc
Dimensions (LxWxH)	mm
Packaging dimensions (LxWxH)	mm
Packaging weight	Kg
Fit temperature	°C
Compliant to	EN 55083-2, EN 60065

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

Example of application

