



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

### art. 28-190 CFK3/40 V-4+1Can.U-5 12V

Indoor multiband amplifier with broadband and channel inputs, indicated for medium/large size TV systems, ideal to receive:

- from one direction, the channels of band 4 plus one band 5 channel (e.g. ch. 40);
- from a second direction, all band 5 channels except the one received on the other input.

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 three inputs are so distributed:

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

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 (1 for the band 4 and 1 for the band 5 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 band 5 channel which you want to be included in 4+1Can.U input.

Equipped with a switching power supply unit.



### Characteristics

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

Code	28-190	
Item	CFK3/40 V-4+1Can.U-5 12V	
No. of inputs	3	
No. of adjustments (0÷20 dB)	4	
band 3 noise figure	dB	4
UHF band noise figure	dB	5
band 3 max output level*	dBμV	118
UHF band max output level*	dBμV	128
3 input gain	dB ±2	40
4+Can. input gain	dB ±2	42-42
5 input gain	dB ±2	42
Max delivered current	mA	100
Remote power supply	Vdc	12
Max power consumption	VA	16
AC main tension		230 V~ ±10% 50Hz
Isolation class		II
Dimensions (LxWxH)	mm	244x100x60
Packaging dimensions (LxWxH)	mm	255x110x68
Packaging weight	Kg	0,76
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

