



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

### art. 28-182 CFK3/20 V-U-4Can.U 12V

Indoor multiband amplifier with broadband and channel inputs, indicated for small size TV systems, ideal for those areas where the three **Rai** muxes and another channel (e.g. local network) are received from a different direction than the muxes of other broadcasters (e.g. **MEDIASET**, 3D-Free, La7, etc.).

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 input for the reception of 4 UHF channels;
- 1 UHF band input for the reception of all channels except the four received on the other input.

Each input is equipped with a coaxial attenuator (0÷20 dB) as level regulator and a switch to enable remote power supply.

When ordering you must specify the 4 desired UHF channels.

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	28-182
Item	CFK3/20 V-U-4Can.U 12V
No. of inputs	3
No. of adjustments (0÷20 dB)	3
VHF band noise figure	dB 4
UHF band noise figure	dB 5
VHF band max output level*	dBμV 113
UHF band max output level*	dBμV 122
VHF input gain	dB ±2 22
UHF input gain	dB ±2 23
Channels input gain	dB ±2 20
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

