



Indoor multiband amplifier 12V broadband inputs CF series

art. 28-109
CF20 V-4-5-U 12V



Indoor multiband amplifier with broadband inputs, indicated for 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 coaxial attenuator (0÷20 dB) as level regulator and a switch to enable remote power supply.

Created with calibration on request. When ordering you must specify the last channel of the band 4 and the first of the band 5.

Equipped with a switching power supply unit.

Characteristics

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

| Code | 28-109 | |
|------------------------------|------------------------|------------|
| Item | CF20 V-4-5-U 12V | |
| No. of inputs | 4 | |
| No. of adjustments (0÷20 dB) | 4 | |
| VHF band noise figure | dB | 4 |
| UHF band noise figure | dB | 8 |
| VHF band max output level* | dBμV | 113 |
| UHF band max output level* | dBμV | 121 |
| VHF input gain | dB ±2 | 23 |
| 4 input gain | dB ±2 | 25 |
| 5 input gain | dB ±2 | 25 |
| UHF input gain | dB ±2 | 25 |
| 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 | 0,51 |
| 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

