



Indoor multiband amplifier 12V broadband inputs CF series

art. 28-109/40-42 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.

The band 4 includes up to E40 channel (630 MHz), while the band 5 includes from E42 channel to E48 channel (638÷694 MHz).

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	28-109/40-42	
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

