



## Indoor multiband amplifier

with high output level FUSION FB series

### art. 26-489/40-42 FB4/25 V-4-5-U

Indoor multiband amplifier with high output level, with broadband inputs, indicated for medium 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.

Protection system against short circuits with LED notification.  
With four inputs, an output and a monitor output (-30 dB).

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 for the gain adjustment (0÷20 dB) and a switch to enable remote power supply.

Shielded die-casting metal housing with screw F-type connectors.

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

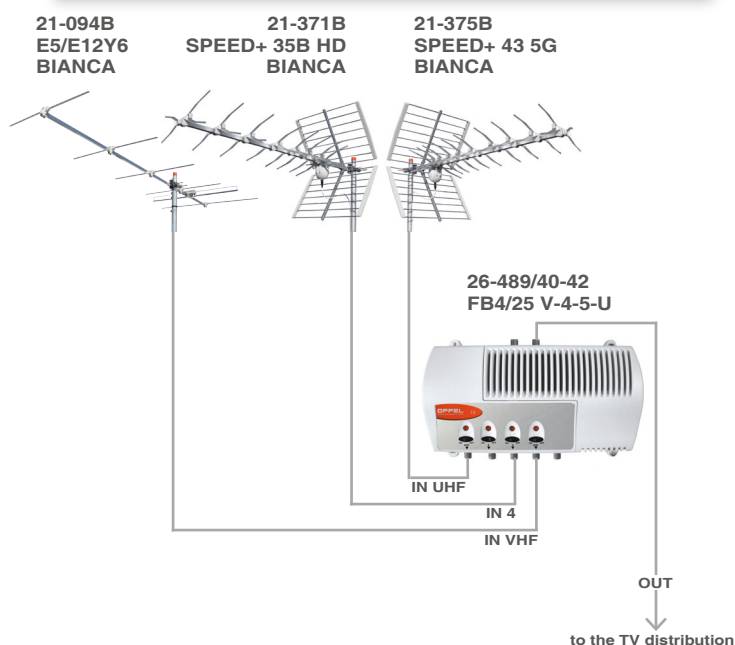
#### Characteristics

- Components with a high quality standard
- High output level
- Separate amplification for VHF and UHF bands

Code	26-489/40-42	
Item	FB4/25 V-4-5-U	
N. of inputs	4	
N. of adjustments	4	
VHF band noise figure	dB	4
UHF band noise figure	dB	8
VHF band max output level*	dB $\mu$ V	121
UHF band max output level*	dB $\mu$ V	125
VHF band gain	dB $\pm$ 2	26
4 input gain	dB $\pm$ 2	25
5 input gain	dB $\pm$ 2	26
UHF band gain	dB $\pm$ 2	26
Max delivered current	mA	50
Remote power supply	Vdc	12
Max power consumption	VA	16
AC main tension	230 V~ $\pm$ 10% 50Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	245x150x50
Packaging dimensions (LxWxH)	mm	300x162x58
Packaging weight	Kg	1,37
Fit temperature	$^{\circ}$ C	-10 $\div$ +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  $^{\circ}$ C

#### Example of application



to the TV distribution

