



Indoor multiband amplifier broadband inputs Fusion Pro FP series

art. 26-775/34-36 FP20/30 V-4-5-U



Indoor multiband amplifier with broadband inputs, indicated 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.

Ideal for different system solutions thanks to a two-step selector that allows to set the maximum gain on the UHF band at 20 or 30 dB.

The VHF band, instead, has a maximum gain of 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 trimmer for the gain adjustment (VHF: 0÷20 dB; UHF: 0÷15 dB) and a switch to enable remote power supply.

Band 4 includes channels from E21 to E34 included (470÷582 MHz).

Band 5 includes channels from E36 to E48 included (590÷694 MHz).

Switching power supply unit with low consumption and protection system against short circuits.

Fully shielded die-casting metal housing with screw F-type connectors and small size sturdy case realized in low flame spread ABS plastic.

Characteristics

- 20 or 30 dB UHF band max gain selector
- High output level
- Separate amplification for VHF and UHF bands
- Components with a high quality standard

Code	26-775/34-36	
Item	FP20/30 V-4-5-U	
No. of inputs	4	
No. of adjustments	4	
VHF band noise figure	dB	6
UHF band noise figure	dB	7
VHF band max output level*	dBµV	120
UHF band max output level*	dBµV	125
UHF BAND GAIN SELECTOR	20 dB	30 dB
VHF input max gain	dB ±2	30
4 input max gain	dB ±2	21 31
5 input max gain	dB ±2	21 31
UHF input max gain	dB ±2	21 31
Max delivered current	mA	100
Remote power supply	Vdc	12
Max power consumption	W	5,9
AC main tension	230 V~ ±10% 50Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	152x45x100
Packaging dimensions (LxWxH)	mm	160x53x120
Packaging weight	Kg	0,375
Fit temperature	°C	0 + +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

