Data sheet









Indoor multiband amplifier

broadband inputs Fusion Pro FP series

art. 26-795/40-42 FP30/40 V-4-5-U





























Indoor multiband amplifier with broadband inputs, indicated medium/large 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 30 or 40 dB.

The VHF band, instead, has a maximum gain of 32 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 E40 included (470÷630 MHz). Band 5 includes channels from E42 to E48 included (638÷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

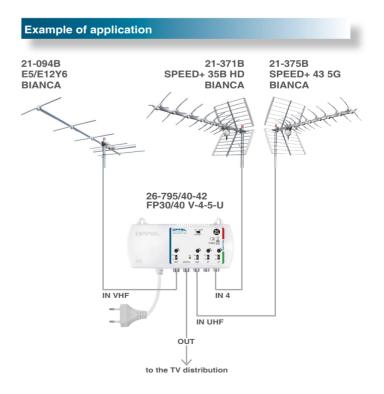
- 30 or 40 dB UHF band max gain selector
- High output level

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Code		26-795/40-42		
Item		FP30/40 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*	dΒμV	117		
UHF band max output level*	dΒμV	126		
UHF BAND GAIN SELECTOR		30 dB	40 dB	
VHF input max gain	dB ±2	32		
4 input max gain	dB ±2	30	40	
5 input max gain	dB ±2	30	40	
UHF input max gain	dB ±2	30	40	
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

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



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