



## Outdoor multiband amplifier 12÷15V broadband inputs Fusion Pro FPE series

**art. 24-795**  
**FPE30/40 V-4-5-U**



Outdoor 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 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.

It is created with calibration on request: when ordering you must specify the last channel of the band 4 and the first of the band 5.

Fully shielded die-casting metal housing with screw F-type connectors and tilting mechanism for an easy cable connection. Sturdy waterproof case in ABS plastic with housing for the insertion of cables. Fixing accessory suitable for masts up to Ø 60 mm included.

### Characteristics

- 30 or 40 dB UHF band max gain selector
- High output level
- Separate amplification for VHF and UHF bands
- Components with a high quality standard

Code	24-795	
Item	FPE30/40 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*	dBμV	117
UHF band max output level*	dBμV	126
<b>UHF BAND GAIN SELECTOR</b>		
	30 dB	40 dB
VHF input max gain	dB ±2	32
Input 4 max gain	dB ±2	30
Input 5 max gain	dB ±2	30
UHF input max gain	dB ±2	30
Absorbed current	mA	200
Supply voltage	Vdc	12÷15
Dimensions (LxWxH)	mm	132x55x107
Packaging dimensions (LxWxH)	mm	115x55x135
Packaging weight	Kg	0,345
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

