Data sheet







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

art. 24-795/40-42 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.

Band 4 includes channels from E21 to E40 included (470÷630 MHz). Band 5 includes channels from E42 to E48 included (638÷694 MHz).

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.

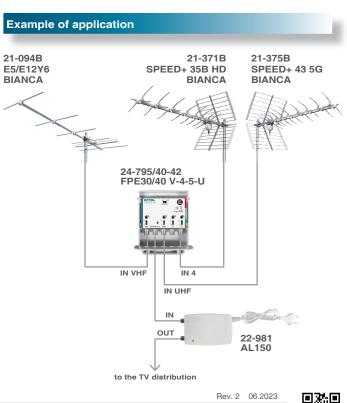
Characteristics

- 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		24-795/40-42		
Item		FPE30/40 V-4-5-U		
No. of inputs		4		
No. of adjustments	o. 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		
UHF BAND GAIN SELECTOR		30 dB	40 dB	
VHF input max gain	dB ±2	32		
Input 4 max gain	dB ±2	30	40	
Input 5 max gain	dB ±2	30	40	
UHF input max gain	dB ±2	30	40	
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



ſ F

offel@offel.it www.offel.it

it side