## Data sheet







## Outdoor multiband amplifier 12÷15V

broadband inputs Fusion Pro FPE series

## art. 24-765 FPE20/30 V+U-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 20 or 30 dB.

The VHF band, instead, has a maximum gain of 28 dB.

The two inputs are so distributed:

- 1 VHF+UHF band input;
- 1 UHF band input.

The UHF band input is equipped with a trimmer for the gain adjustment (0÷15 dB), while the VHF+UHF band input is equipped with two trimmers, one for the VHF band (0÷20 dB) and another for the UHF band (0÷15 dB).

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**

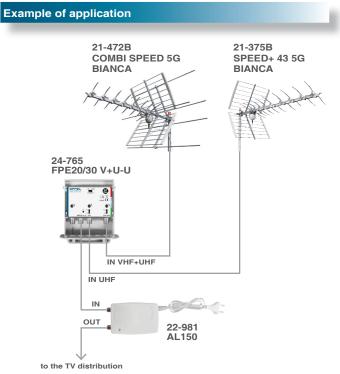
- 20 or 30 dB UHF band max gain selector
- High output level

Offel s.r.l.

Code		24-765		
Item		FPE20/30 V+U-U		
No. of inputs		2		
No. of adjustments		3		
VHF band noise figure	dB	7		
UHF band noise figure	dB	6		
VHF band max output level*	dΒμV	120		
UHF band max output level*	dΒμV	125		
UHF BAND GAIN SELECTOR		20 dB	30 dB	
VHF band max gain	dB ±2	28		
UHF band max gain	dB ±2	23	33	
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		

<sup>\*</sup> 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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