



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

art. 24-785 FPE30/40 V+U-U



Outdoor 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 30 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

- 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	24-785	
Item	FPE30/40 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*	dBµV	117
UHF band max output level*	dBµV	126
UHF BAND GAIN SELECTOR	30 dB	40 dB
VHF band max gain	dB ±2	30
UHF band 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

Example of application

