



## Indoor multiband amplifier broadband inputs Fusion Pro FP series

### art. 26-760 FP20/30 V-U



Indoor 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 30 dB.

The two inputs are so distributed:

- 1 VHF band 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.

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

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

| Code                          | 26-760                 |              |
|-------------------------------|------------------------|--------------|
| Item                          | FP20/30 V-U            |              |
| No. of inputs                 | 2                      |              |
| No. of adjustments            | 2                      |              |
| VHF band noise figure         | dB                     | 5            |
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| VHF band max output level*    | dBμV                   | 120          |
| UHF band max output level*    | dBμV                   | 125          |
| <b>UHF BAND GAIN SELECTOR</b> | <b>20 dB</b>           | <b>30 dB</b> |
| VHF input max gain            | dB ±2                  | 30           |
| UHF input max gain            | dB ±2                  | 23    33     |
| 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

#### Example of application

