



Indoor multiband amplifier with high output level FUSION F series

art. 26-429/40-42 F4/30 V-4-5-U

Indoor multiband amplifier with high output level, with broadband inputs, indicated for 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.

Protection system against short circuits with LED notification.
With four inputs, an output and a monitor output (-30 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 coaxial attenuator for the gain adjustment (0÷20 dB) and a switch to enable remote power supply.

Shielded die-casting metal housing with screw F-type connectors.

The band 4 includes up to E40 channel (630 MHz), while the band 5 includes from E42 channel to E48 channel (638÷694 MHz).

Characteristics

- Components with a high quality standard
- High output level
- Separate amplification for VHF and UHF bands

Code	26-429/40-42	
Item	F4/30 V-4-5-U	
N. of inputs	4	
N. of adjustments	4	
VHF band noise figure	dB	4
UHF band noise figure	dB	8
VHF band max output level*	dB μ V	121
UHF band max output level*	dB μ V	127
VHF band gain	dB \pm 2	30
4 input gain	dB \pm 2	30
5 input gain	dB \pm 2	31
UHF band gain	dB \pm 2	32
Max delivered current	mA	100
Remote power supply	Vdc	12
Max power consumption	VA	16
AC main tension	230 V~ \pm 10% 50Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	245x150x50
Packaging dimensions (LxWxH)	mm	300x162x58
Packaging weight	Kg	1,37
Fit temperature	$^{\circ}$ C	-10 \div +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 $^{\circ}$ C

Example of application

