



Indoor multiband amplifier

with high output level F series

art. 26-450/40-42
F5/40 1-3-4-5-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 E02÷E60, attenuating the LTE 800 MHz band without preventing the proper functioning of the channel E60.

Protection system against short circuits with LED notification.

With GSM trap, FM frequencies trap and radio amateur frequencies trap (35 dB Typ.).

Realized into fully shielded die cast metal housing with F connectors.

With an output and a monitor output (- 30 dB).

Each input is equipped with a coaxial attenuator (0÷20 dB) as level regulator and a switch to enable remote power supply (12 or 15 Vdc).

The band 3 includes up to S20 channel (300 MHz), with the exception of FM signals.

The band 4 includes up to E40 channel (630 MHz), while the band 5 includes from E42 channel to E60 channel (638÷790 MHz).

Characteristics

- Components with a high quality standard
- Shielded die cast metal housing with screw F-type connectors
- Protection system against short circuits with LED notification
- GSM trap, FM frequencies trap and radio amateur frequencies trap (35 dB Typ.)
- 12 or 15 Vdc remote power supply
- Separate amplification for the VHF and UHF bands

Code	26-450/40-42	
Item	F5/40 1-3-4-5-U	
No. of inputs	5	
No. of coaxial attenuators (0÷20 dB)	5	
VHF band noise figure	dB	4
UHF band noise figure	dB	8
VHF band max output level*	dBμV	121
UHF band max output level*	dBμV	127
Band 1 gain	dB ±2	39
Band 3 gain	dB ±2	39
Band 4 gain	dB ±2	39
Band 5 gain	dB ±2	40
UHF band gain	dB ±2	41
Max delivered current	mA	100
Remote power supply	Vdc	12 or 15
Max power consumption	VA	16
AC main tension	230 V~ ±10% 50Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	245x150x50
Packaging dimensions (LxWxH)	mm	300x162x58
Packaging weight	Kg	1,37
Fit temperature	°C	-10 ÷ +55
Compliant to	EN 55083-2, EN 60065	

* Maximum output level measured with the method IM3 -35dBc 2 tones.

Technical data refer to a temperature of 25 °C

Example of application

