Overlight WideBand Amplifier 29 dB, (1 satellite) 250...2400 MHz

Compact WideBand amplifier of the Overlight series for the distribution of satellite signals. This device amplifies the signal received from the LNB and is responsible for compensating the losses of the coaxial cable in the installation.
It can be powered from the Overlight transmitter or from an external power supply. Maximum gain up to 29 dB. It is equipped with 2 (H/V) WideBand inputs and 2 (H/V) WideBand outputs (250-2400 MHz). Indoor use.

Ref.	237562
Logical ref.	OLV-HG
EAN13	8424450271759

Packaging info

Box	1 pcs.

Physical data

Net weight	381.00 g
Gross weight	445.00 g
Width	137.00 mm
Height	120.00 mm
Depth	30.00 mm
Main product weight	381.00 g

Highlights

- Independent gain and slope control
- Can be powered in the 12 V-to- 18 V range through its Jack connector or through the Overlight transmitter
- Very compact in dimensions and weight (137x120x30mm)
- 100% European design, quality, and manufacturing
- F-type RF connectors
- High-screening Zamak chassis
- Can be wall-mounted using screws

Discover

WideBand technology

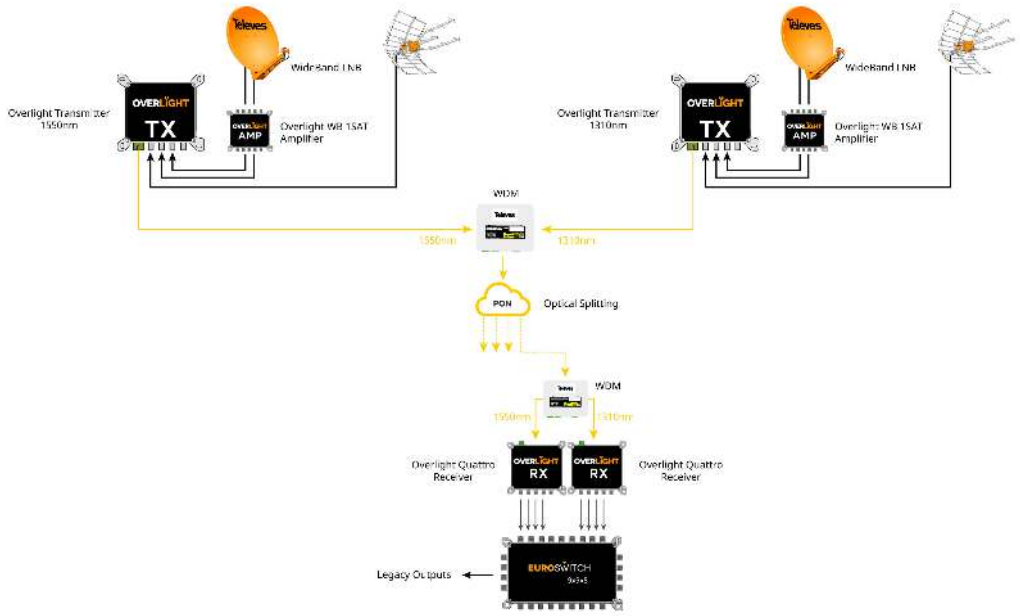
WideBand (also known as FullBand) refers to broadband transmission technology that uses a wide range of frequencies. In WideBand TV systems, a substantial portion or the whole of the frequency spectrum is available to users. It can be used in fiber deployments where long cable runs are demanded, or coaxial scenarios in combination with multiswitches adapted to this technology.

In WideBand technology, an LNB captures a complete satellite signal and distributes it through 2 universal outputs (vertical -V- and horizontal -H-), each of them with the combination of high (H) and low (L) bands, in a frequency range between 290 and 2340 MHz.

Despite the fact that Quattro technology is the most widely deployed technology in TV systems nowadays, WideBand technology brings significant advantages to the installation:

- **Simpler, faster and cleaner installation:** In WideBand technology the number of coaxial cables connecting the LNB to the multiswitches is half as in traditional Quattro deployments, so the installation is done quicker and easier. The installation will also be tidier with fewer cables.
- **Wider bandwidth than other technologies:** WideBand channels can carry more information thanks to their wide bandwidth (290-2340MHz). This powerful feature allows a greater number of services to be delivered to the end users of the installation.
- **Reusable deployment:** WideBand technology allows signal distribution by reusing a Quattro installation. It can be distributed through the old 4 cables coming down from the roof to capture signals from up to 2 satellites, changing only LNBs and MSWs to be WideBand compatible.

Application example



Technical specifications : Ref. 237562

Number of inputs		2
Number of outputs		2
Bands		SAT
Frequency range	MHz	250 ... 2400
Output level EN60728-3 IMD3 2tones -35dB	dBµV	118
Gain	dB	29
Gain adjustment range	dB	0 ... 13
Slope regulation	dB	0 ... 12
Isolation	dB	> 25
Powering	Vdc	12 ... 18
DC pass through SAT line	mA	500
Max current consumption (@12V)	mA	150
Max current (@18V)	mA	100
Max. power consumption	W	1.8
Protection index (IP)		20