



## Outdoor SMATV optical receiver 1200...1600 nm

Highly configurable optical receiver for cable operators. Receives one optical signal in the 1200 nm -1600 nm range and restores it on the RF output (87 MHz-862 MHz /950 MHz-2150 MHz) with amplification.

The aluminium frame enables outdoor installation (local power supply).

Perfect for RF Overlay, FTTB, and FTTC applications.

<b>Ref.</b>	231201
<b>Logical ref.</b>	ON1216WV
<b>EAN13</b>	8424450160718

### Packaging info

<b>Box</b>	1 pcs.
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### Physical data

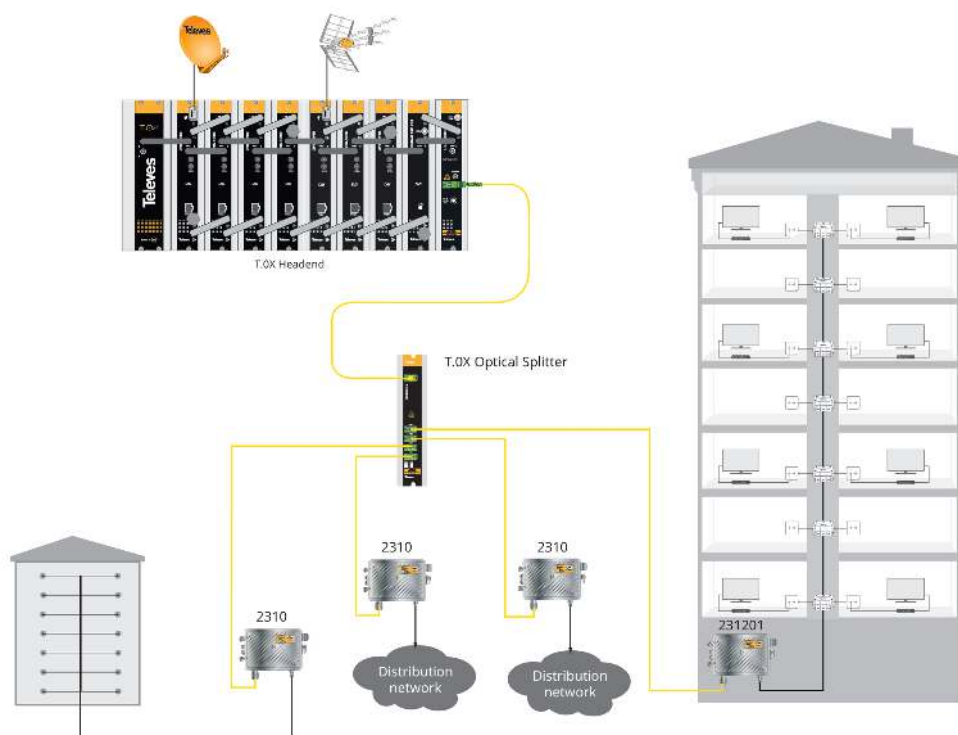
<b>Net weight</b>	1,851.00 g
<b>Gross weight</b>	1,851.00 g
<b>Width</b>	240.00 mm
<b>Height</b>	190.00 mm
<b>Depth</b>	90.00 mm
<b>Main product weight</b>	1,626.00 g

### Highlights

- SMATV-compatible: up to 2150 MHz bandwidth
- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics

- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption
- The test point avoids user service outage during maintenance
- The F connectors can be replaced with 1/2"-cable adapters (ref.4121)
- Local powering
- SC/APC optical connectors, and F-type connectors for RF
- Outdoor installation (IP65)

## Application example



## Technical specifications : Ref. 231201

Number of outputs			1	
Frequency range	MHz	45 ... 862		950 ... 2150
Output level	dBµV	110		120
Flatness	dB	-2 ... 2		-3 ... 3
Return losses	dB	> 10		> 7,5
Test point	dB	-25		-27
Interstage attenuator	dB		0 ... 18	
Selectable pre-emphasis			3 dB / 6 dB	
Input wavelength	nm		1200 ... 1600	
Optical input level	dBm		-10 ... 2	
Optical input power Max	dBm		4	
Optical return losses	dB		> 40	
Optical device			InGaAs pin photodiode	
C/N	dB		> 50	
Output impedance	Ω		75	
Input voltage	Vac		110 ... 230	
Mains frequency			50 Hz / 60 Hz	
Max. current	mA		300	
Max. power	W		16.5	
RF connectors			"F" female	
Optical connectors			SC/APC	
Operating temperature	°C		-5 ... 45	
Protection index (IP)			65	