



## FiberKom optical mini-receiver equipped with OLC technology 1200...1600 nm

Optical mini-receiver for small MDU (Multi Dwelling Unit); receives one optical signal in the 1200 nm-1600 nm range and restores it on one RF output (47 MHz-1220 MHz) with amplification. Equipped with OLC technology. Perfect for RF Overlay, FTTB, and FTTH applications.

<b>Ref.</b>	238101
<b>Logical ref.</b>	OME1216
<b>EAN13</b>	8424450179611

### Other features

<b>Powering method</b>	Remote powering (F connector)
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### Packaging info

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

<b>Net weight</b>	412.00 g
<b>Gross weight</b>	412.00 g
<b>Width</b>	187.00 mm
<b>Height</b>	89.00 mm
<b>Depth</b>	34.00 mm
<b>Main product weight</b>	412.00 g

### Highlights

- The OLC (Optical Level Control) technology automatically adjusts the parameters to achieve a constant output level, irrespective of the channel load

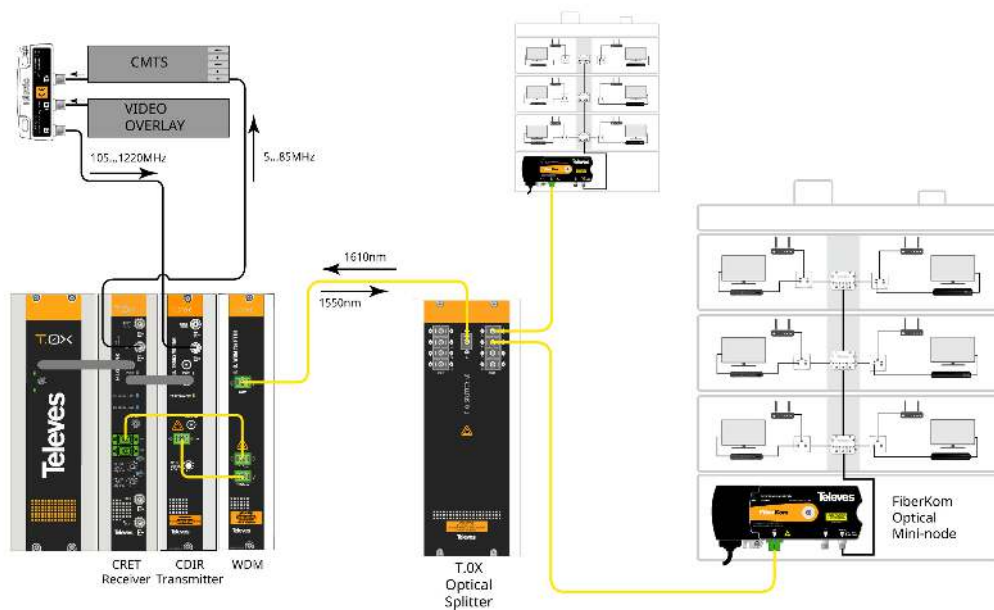
- Equipped with pre-equalization, attenuation, and equalization controls to adapt the output signal to the coaxial network characteristics
- High output voltage (RF amplification) and enhanced C/N
- Wide reception optical range
- Low power consumption

## Main features

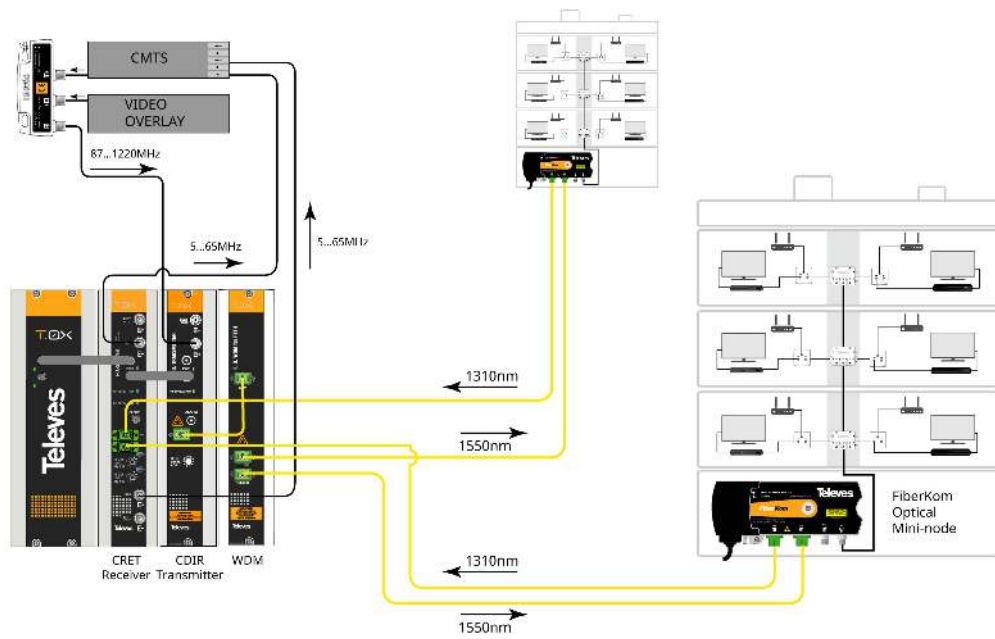
- SC/APC optical connectors, and F-type connectors for RF

## Application example

FTTB application with a single fibre.



FTTB application with two fibres.



## Technical specifications

Forward path		
Frequency range	MHz	47 ... 1220
Output impedance	Ohm	75
Optical input level for OLC	dBm	-8 ... +1dBm
Flatness	dB	± 1
Number of outputs	no.	1
Typical output level in OLC range	dBμV / dBmV	100 / 40
CNR	dB	>51
CSO	dB	>60
CTB	dB	>60
Equivalent noise current density at input	pA/ Hz	< 6
Gain control (2dB steps)	dB	0... 18
Pre-emphasis	dB	3, 7, 9
Wavelength	nm	1200 - 1600
Optical return loss	dB	>40
Optical connector	type	SC/APC
Max. optical input power before damage	dBm	2
Optical device	type	InGaAs pin photodiode
General		
Power voltage / Max. consumption	V=/mA	11 / 340... 35 / 140 (ref. 238101) 99 / 75 ... 253 / 40 (ref. 238079)
Test point	dB	-30 ±1
RF connectors	type	F
Housing material		Zamak/ABS
Operating temperature	°C / °F	-5...+45 / +23...+113
Index operation	IP	30
EMC compatibility		EN 50083-2
Safety		EN 60825-1