



## SMATV optical receiver without Return Path 1200...1600 nm

They receive an optical signal in the 1200 nm-1600 nm range to restore the original RF signal transformed by a transmitter.

The RF band is compatible with SMATV (54 MHz - 2150 MHz).

Perfect for RFoG / RF Overlay solutions.

<b>Ref.</b>	233501
<b>EAN13</b>	8424450166260

### Packing

<b>Box</b>	1 pcs.
<b>Bucket</b>	18 pcs.

### Physical data

<b>Net weight</b>	1,046.00 g
<b>Gross weight</b>	1,390.00 g
<b>Width</b>	50.00 mm
<b>Height</b>	219.00 mm
<b>Depth</b>	183.00 mm
<b>Main product weight</b>	837.00 g

### Highlights

- Wide reception optical range
- Output level above 90 dB $\mu$ V
- Optical power LED indicators
- The output band includes SAT, up to 2400 MHz
- Optical power drop alarm

## Main features

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- Perfect for RF overlay solutions
- Very low equivalent noise conversion
- Adjustable attenuator
- Easy to install and use
- High energy efficiency
- SC/APC optical connectors, and F-type connectors for RF

## Technical specifications

RF Input/Output	Frequency range	Forward channel	MHz	54 - 2150
		Return channel		----
	Maximum Output Level for CSO and CTB $\geq$ 60dB	54 - 870 MHz	dBmV	33
		950-2150 MHz		30
	Output level regulation margin (in 2 dB steps)		dB	0 - 18
	Return path maximum input level		dBmV	----
	Return path equivalent input noise, measured at 30 MHz and the transmitter output connected directly to the receiver		dBm/Hz	----
	Flatness		dB	$\pm$ 1.5
	Return losses		dB	$\geq$ 11
Impedance		Ohm	75	
Optical input (forward channel)	Optical device		type	InGaAs Pin Photodiode
	Wavelength		nm	1200 -1600
	Detection bandwidth		MHz	1 - 3000
	Maximum Optical power received		mW/dBm	4 / 6
Optical output (return channel)	Laser		type	----
	Wavelength		nm	----
	Maximum output power		mW/dBm	----
General	Powering/Consumption	12 Vdc	mA	300
		24 Vdc		155
	RF connectors	Type		female F
	Optical connectors			SC/APC
	Operating temperature		$^{\circ}$ F	+23 ... +113