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 (87 MHz - 2400 MHz).
Perfect for RFoG / RF Overlay solutions.

Ref.	2335
Logical ref.	UOE1216
EAN13	8424450147603

Packaging info

Box	1 pcs.
Bucket	18 pcs.

Physical data

Net weight	1,300.00 g
Gross weight	1,300.00 g
Width	50.00 mm
Height	219.00 mm
Depth	183.00 mm
Main product weight	841.00 g

Highlights

- Wide reception optical range
- Output level above 90 dBµV
- Optical power LED indicators

- The output band includes SAT, up to 2400 MHz
- Optical power drop alarm

Main features

- 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	87 - 2400
		Return channel		----
	Maximum Output Level for CSO and CTB >= 60dB	87-862 MHz	dBµV	93
		950-2400 MHz		90
	Output level regulation margin (in 2 dB steps)		dB	0 - 18
	Maximum input level return path		dBµV	----
	Equivalent input noise of the return channel, measured at 30 MHz and the transmitter output connected directly to the receiver		dBm/Hz	-152,5
	Flatness		dB	± 1,5
	Return losses		dB	>= 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	F hembra
	Optical connectors			SC/APC
	Operating temperature		ºC	-5 ··· +45