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## SMATV optical receiver equipped with Return Path transmitter 1200...1600 nm, Return: 1310 nm, Po 3 dBm

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). Equipped with a Return Path transmitter (1 MHz - 65 MHz) in the 1310 nm range, with 3 dBm optical power. Perfect for RFoG / RF Overlay solutions.

### Ref.2336

Art.Nr	UOE1216RK
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### 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		1 - 65
	Maximum Output Level for CSO and CTB >= 60dB		87-862 MHz	dBµV/ dBmV	93 / 33
			950-2400 MHz		90 / 30
	Output level regulation margin (in 2 dB steps)			dB	0 - 18
	Maximum input level return path			dBµV/ dBmV	95 / 35
	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
	LWavelength			nm	1200 -1600
	Detection bandwidth			MHz	1 - 3000
	Maximum Optical power received			mW/dBm	4 / 6
Optical output (return channel)	Laser			type	Fabry-Perot
	Wavelength			nm	1310 ± 20
	Maximum output power			mW/dBm	2 / 3
General	Powering/Consumption		12 Vdc	mA	355
			24 Vdc		175
	RF connectors			type	female F
	Optical connectors				SC/APC
	Operating temperature			°C °F	-5 ... +45 +23 ... +113