



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
Logical ref.	UOE1216RK
EAN13	8424450147610

Packaging info

Box	1 pcs.
Bucket	18 pcs.

Physical data

Net weight	1,001.00 g
Gross weight	1,001.00 g
Width	50.00 mm
Height	219.00 mm
Depth	183.00 mm
Main product weight	880.00 g

Highlights

- Wide reception optical range
- Output level above 90 dB μ V
- 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 \geq 60dB	87-862 MHz	dB μ V/ dBmV	93 / 33	
		950-2400 MHz		90 / 30	
	Output level regulation margin (in 2 dB steps)			dB	0 - 18
	Maximum input level return path			dB μ V/ 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	\pm 1,5
	Return losses			dB	\geq 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 \pm 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	-5 ... +45
			°F	+23 ... +113	