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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.

Ref.233501

Art.Nr

EAN13

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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	54 - 2150	
		Return channel		----	
	Maximum Output Level for CSO and CTB >= 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	± 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	female F	
	Optical connectors			SC/APC	
	Operating temperature			°F	+23 ... +113