



ORX-CATV

OPTICAL RECEIVER



Fibre Optics

| Optical receiver FTTH for individual households

The ORX-CATV optical receiver is a highly cost effective optical network termination for an individual residence. The receiver's output is directly connected to outlets via passive coaxial distribution.

Simple setting up and stable operation via AGC and LED display. Receiver is supplied in a plastic hood with a plug-in power supply.

- AGC for constant RF output level
- 3-colour LED for rapid indication of the correct optical input level
- Compact and space saving
- Low power consumption
- Includes 9V power supply
- SC/APC connection at optical input
- RF output level 80 dB μ V



TECHNICAL SPECIFICATIONS: ORX-CATV Optical Receiver

Optical Characteristics

Input level (Pin)		dBm	- 10...- 3
AGC range		dBm	- 10...- 3
Optical Return Loss		dB	>40
Wavelength		nm	1100...1650
Equivalent input noise		pH/(Hz)	6.5
Optical power indicator LED	orange	dB	Pin < -10
	green		-10 < Pin < -3
	red		Pin < -10
Optical connector			SC/APC

RF parameters

Frequency range		MHz	47...862
Gain flatness dB + 1.0		dB	+ 1
Max. Output level (42 Ch. CENELEC)	CTB<60 dBc	dB μ V	80
	CSO<60 dBc	dB μ V	80
Level output stability in the AGC mode		dB	+ 1
Return Loss		dB	>18 (40 MHz) -1,5/Octave
RF output connector			F-female

Operating voltage and Additional data

Operating voltage	VAC/Hz	ext. Power Supply 9 V / 150 mA
Input	W	< 1
Protection class		IP 40
Operating temperature range	°C	-20...+55
Weight	kg	0,1
Dimensions (w x h x d) incl. plastic cover	mm	60 x 50 x 20