

# Micro Receiver LR 91



Product information



## Description

The optical receiver LR 91 is a FTTB node used in HFC and RF Overlay networks. It converts the optical CATV signal for coaxial distribution. The LR 91 has a very high output power for different network sizes and is powered locally.

## Features:

- Compact node for CATV downstream reception
- Extremely low noise optical receiver
- High RF output level, switchable
- Manual adjustment of optical level compensation
- Monitoring LED and DC test port for optical input power

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Downstream	
Wavelength	1260...1610 nm
Frequency range	47...1006 MHz
Operating optical input power	-8...+1 dBm
RF output level (4% OMI, -8...+1 dBm)	80 dB $\mu$ V flat / 100 dB $\mu$ V with 3 dB slope (jumper configuration)
Amplitude response	$\pm 1$ dB
Equivalent noise input	$\leq 4$ pA $\sqrt{\text{Hz}}$
Output level - CENELEC 42 Channel	100 dB $\mu$ V / 3 dB slope CSO $\geq 60$ dB, CTB $\geq 60$ dB
RF test port	-20 dB
General	
Optical connector	SC/APC
RF- connector	F-type, 75 Ohm
Power supply	230 V AC
Power consumption	$\leq 6$ W
Ambient temperature range	-20...+50°C
Dimension W x H x D	163x90x50 mm

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