

WISI LR 91

An optical receiver for FttB / FttH



Description

The LR 91 is an extremely low-noise optical receiver. Because of the high output level it is particularly well suited for direct house distribution. The measurement point can be displayed through the LED and the DC, in the range of -8 to +1 dBm. Its compact design requires a minimum amount of space, and the built-in measuring socket allows control of the signals.

At a glance:

- compact receiver for CATV-distribution networks and RF-Overlay
- high output level to 100 dB μ V
- Frequency range to 1 GHz
- 0...20 dB input attenuator
- LED and DC test point for monitoring of optical input power
- RF test port for the output signal
- Low-noise transimpedance amplifier

Technical data

Wavelength	1260 ... 1610 nm
Optical input level	-8 ... +1 dBm
Frequency range downstream	47 ... 1006 MHz
RF output level, sloped	100 dB μ V (CENELEC 42 channels, 6 dB slope, at CSO/CTB >60 dB)
RF output level, flat	80 dB μ V (CENELEC 42 channels, flat, at CSO/CTB >60 dB)
Attenuator downstream	0 ... 20 dB (infinitely variable)
Frequency response	-1 ... +1 dB
Noise current density	4 pA \sqrt /Hz (max.)
Output test point	-20 dB

Connectors

SC/APC connectors	1 pcs. (fiber: single mode 9/125 μ m)
F-socket	2 pcs. (RF-Output, test point)
Impedance	75 Ω
Return loss	> 16 dB

General data

Operating voltage AC	230 V (50/60 Hz)
Power consumption	\leq 6 W
Operating temperature range	-20 ... +50 $^{\circ}$ C
Dimensions (width x height x depth)	163 x 90 x 50 mm

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	mm
Packaging volume sales unit	dm ³
Gross weight sales unit	0.658 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.4 dm ³
Gross weight shipping unit	0.772 kg
EAN	4010056732929
Article number	72341
Customs tariff number	85287119