

# WISI LX 15 S 1000

1550 nm BC-transmitter



## Description

The LX 15 is part of the Optopus product portfolio. LX 15 is a direct modulated fullband transmitter with 1550 nm for use in RF Overlay and RFoG networks. The Optopus platform is a highly flexible and high density platform for all kinds of analog optical networks. The system is used in any network such as HFC, RF over Glass or RF Overlay in FTTX applications.

## At a glance:

- Optical transmitter for use in WISI Chassis LX50
- Adjustable OMI
- Automatic level control (ALC)
- Electronic predistortion
- SBS suppression
- Dispersion compensation

## Technical data

Downstream	
Laser type	Temperature stabilized DFB laser
Wavelength transmitter 1	1555 nm ( $\pm 10$ nm)
Optical output power	10 dBm (10 mW)
Frequency range	10...1006 MHz
Optical return loss	>40 dB
Input level broadcast	78 dB $\mu$ V (PAL-Level)
Input level Narrowcast	84 dB $\mu$ V (QAM-Level, 4 dB back off)
Level control narrowcast	$\pm 2$ dB (adjustable)
Inputs AGC	$\pm 5$ dB
Decoupling NC/BC input	$\geq 50$ dB
Electrical reflection loss	$\geq 20$ dB (-1 dB /oct., min. 17 dB)
Ripple	$\leq \pm 0,5$ dB
Relative Intensity Noise 1	< -155 dB $\gamma$ /Hz
SBS suppression	16 dBm
CSO	$\geq 60$ dBc (42 channels CENELEC)
CTB	$\geq 65$ dBc (42 channels CENELEC)
Transmission length	25 km
Input measurement socket	-20 dB (BC-Input level)

## Connectors

F-socket	1 pcs.
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## General data

Power consumption	$\leq 7$ W
Dimensions (width x height x depth)	30 x 133 x 320 mm
Environmental parameters	-5...+45 °C (ETSI EN 300 019-1-3 Class 3.1)

## Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	440 x 200 x 60 mm
Packaging volume sales unit	dm <sup>3</sup>
Gross weight sales unit	1.834 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.8 dm <sup>3</sup>
Gross weight shipping unit	1.7 kg
EAN	4010056719470
Article number	71947
Customs tariff number	85176100