

WISI LX 15 S 1001

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 FTTH 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 (± 10 nm)
Optical output power	10 dBm (10 mW)
Frequency range	10...1006 MHz
Optical return loss	>40 dB
Input level broadcast	78 dB μ V (PAL-Level)
Input level Narrowcast	84 dB μ V (QAM-Level, 4 dB back off)
Level control narrowcast	± 2 dB (adjustable)
Inputs AGC	± 5 dB
Decoupling NC/BC input	≥ 50 dB
Electrical reflection loss	≥ 20 dB (-1 dB /oct., min. 17 dB)
Ripple	$\leq \pm 0,5$ dB
Relative Intensity Noise 1	< -155 dB γ /Hz
SBS suppression	21 dBm
CSO	≥ 60 dBc (42 channels CENELEC)
CTB	≥ 65 dBc (42 channels CENELEC)
Transmission length	15 km
Input measurement socket	-20 dB (BC-Input level)

Connectors

F-socket	1 pcs.
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General data

Power consumption	≤ 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 ³
Gross weight sales unit	1.745 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.8 dm ³
Gross weight shipping unit	1.6 kg
EAN	4010056730154
Article number	73015
Customs tariff number	85176100