

WISI LX 11 S 1000

1310 nm transmitter



Description

The LX 11 is part of the Optopus product portfolio. LX 11 is a direct modulated 1310nm fullband transmitter for HFC networks. The Optopus is a highly flexible and dense platform for all kinds of analog optical networks. The system is designed for any network such as HFC, RF over Glass or RF Overlay in FTTX applications.

At a glance:

- Optical HFC transmitter for use in WISI Chassis LX 50
- Adjustable OMI
- Automatic level control (ALC)
- Electronic predistortion
- Fullband transmitter 10...1006 MHz
- SBS suppression

Technical data

Downstream	
Laser type	Temperature stabilized DFB laser
Wavelength transmitter 1	1310 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 \sqrt /Hz
CSO	≥ 63 dBc (42 channels CENELEC)
CTB	≥ 65 dBc (42 channels CENELEC)
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	1.850 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	3.35 dm ³
Gross weight shipping unit	1.705 kg
EAN	4010056719456
Article number	71945
Customs tariff number	85176100