

# WISI LX 23 L 0461

Quattro Upstream RFoG Receiver



**ELPAS**



## Description

The LX 23 is part of the Optopus product portfolio. LX 23 is a quattro upstream receiver for use in 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 quattro upstream receiver for use in WISI Chassis LX 50
- 4 independent upstream channels per unit or one combined output
- 4 RF output ports at rear
- Integrated RFoG-Filter (1610 nm)
- IDS noise suppression (Squelch)

**WISI Communications GmbH & Co. KG**

Wilhelm-Sihn-Str. 5-7  
75223 Niefern - Oeschelbronn, Germany

Phone: +49 7233 66-280, Fax: -350  
E-Mail: [export@wisi.de](mailto:export@wisi.de)

Technical Modifications reserved. WISI cannot be held liable for any printing error. 9. Dezember 2015, 10:49 vorm.

## Technical data

Optical receiver	4 pcs.
Optical input level	-28...-10 dBm
input wavelength	1610 nm
Wavelength network interface	1260...1620 nm
Wavelength RFOG receiver	1600...1620 nm
Wavelength broadcast interface	1260...1590 nm
Thermal receiver noise	$\leq 1,0 \text{ pA}/\sqrt{\text{Hz}}$
Optical return loss	$\geq 45 \text{ dB}$
Decoupling network-connection RFOG receiver	$\geq 40 \text{ dB}$
Decoupling network-connection broadcast connection	$\geq 15 \text{ dB}$
Directional attenuation	$\geq 60 \text{ dB}$
Insertion loss broadcast network connection	$\leq 0,8 \text{ dB}$
Insertion loss network connection RFOG receiver	$\leq 1,0 \text{ dB}$
Electrical reflection loss	$\geq 20 \text{ dB}$ (-1 dB/oct.)
Frequency range	5...100 MHz
Ripple	$\leq \pm 0,75 \text{ dB}$
Electrical output power	90 dB $\mu$ V (15% OMI @ -28 dBm)
Output attenuator	0...40 dB (1 dB-steps)
Output test point	-20 dB

## Connectors

LC/APC connector	1 pcs.
F-socket	5 pcs.

## General data

Power consumption	$\leq 12 \text{ W}$
Dimensions (width x height x depth)	30x133x320 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	1.895 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	3.35 dm <sup>3</sup>
Gross weight shipping unit	1.75 kg
EAN	4010056719500
Article number	71950
Customs tariff number	8517610000