

# WISI LX 37 W 2116

High Power YEDFA, output power 21 dBm, 16 outputs



## Description

LX 37 is an optical amplifier based on YEDFA technology for use in HFC and FTTx networks. The system is available with different output power and various numbers of outputs. The W-Type with integrated WDM filters for PON networks is specifically developed for RF Overlay networks.

## At a glance:

- Very high optical power with 38 dBm internally
- Stand-alone operation or integrated with WISI Optopus
- Management via SNMP, HTTP or custom options
- Carrier grade functions with hot pluggable and redundant power and fans

## Technical data

Wavelength	1545...1565 nm
Input power	0...+10 dBm
Output power	16 x 21 dBm ( $\pm 0,5$ dB)
Gain control range	3 dB (with constant noise figure)
noise figure	$\leq 5,5$ dB (Noise figure @ 0 dBm input, nominal output power and signal wavelength 1550 nm)
Return loss input / output	$\geq 40$ dB
Isolation output -> input	$\geq 40$ dB
max. Port uniformity	$< 1$ dB
Optical test port	$-20$ dB $\pm 1$ dB

## PON-WDM

PON wavelengths	1260...1360 nm & 1480...1500 nm
Insertion loss	$< 1$ dB
Isolation CATV->PON	50 dB @ 1545...1565 nm
Isolation COM -> PON	15 dB @ 1545...1565 nm

## General data

Dimensions (width x height x depth)	483 x 89 x 455 mm (19", 2RU)
Optical connectors	SC/APC connectors
Laser Class	1 M
Supply voltage	110/230 V AC or 48 V DC
Power consumption	$\leq 75$ W
Operating temperature range	$-5...+45$ °C (ETSI EN 300 019 -1-3 Class 3.2)

## Accessories

Power supply	LXPS 0230, LXPS 0048 (not included in the delivery)
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## Packaging data

Sales unit	pcs.
Dimensions (WxHxD) sales unit	483 x 89 x 455 mm
Packaging volume sales unit	dm <sup>3</sup>
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm <sup>3</sup>
Gross weight shipping unit	kg
EAN	4010056738952
Article number	73895
Customs tariff number	85176100