



High Power EDFA **WISI LX 35**



Description

LX 35 is an optical amplifier based on EYDFA technologie for use in HFC and FTTx networks. The system is available with different output power and various numbers of outputs.

At one glance:

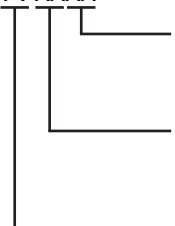
- Very high optical power with 38 dBm internally
- Stand-alone operation or integrated with WISI Optopus
- Management via SNMP, HTTP or custom options
- Carrier grade functions with hot pluggable and redundant power and fans

Technical data

Type	In-line	Blast-and-split
Operating wavelength	1530...1565 nm	1540...1565 nm
Input power	-3...+10 dBm	
Output power configurations	1x / 2x 21 dBm	8x / 16x / 18x 21 dBm, 32x 20 dBm
	1x / 2x / 4x 17 dBm	8x / 16x / 32x 17 dBm
	-	8x / 16x / 32x 14 dBm
Output power control range	3 dB (with constant noise figure)	
Noise figure	≤ 5.0 dB (Noise figure @ 0 dBm input, nominal output power and signal wavelength 1550 nm)	
Return loss input/output	55 dB	
Isolation output input	≥ 45 dB	
Output power tolerance	± 0.5 dB (average of all output ports, excluding connectors)	
Port uniformity	< 0.8 dB < 0.8 dB for 8 outputs, < 1.0 dB for 16/18 outputs, < 1.3 dB for 32 outputs (excluding connectors)	
PMD (Pin = 0 dBm, λ = 1550 nm)	max. 0.5 ps √km	
PDL (Pin = 0 dBm, λ = 1550 nm)	max. 0.5 dB	
Optical test port	Output power -20 dB +/- 1 dB	
General data		
Dimension (W x H x D)	483 mm x 44 mm x 455 mm (19", 1RU)	
Connector type	SC/APC, E2000/APC, LC/APC	
Laser Class	1M	
Maximum variation of optical power per every plug process	E2000 +/- 0.1 dB, SC +/- 0.25 dB, LC +/- 0.5 dB	
Power supply slots	2 pcs., to be equipped with power supply units LXPS (see „Accessories“ below)	
Supply voltage	110/230 V AC or 48 V DC	
Power consumption	< 30 W	typ. 45 W*
Operating temperature range	0...+50 °C	
Humidity not condensate	max. 95 %	
Accessories:		
LXPS 0230	AC Power Supply for LX3x and LX52, 110/230V AC	
LXPS 0048	DC Power Supply for LX3x and LX52, 48V DC	

Order information

LX 35 X xxxx



Number of outputs:

- 08 - 8 outputs
- 16 - 16 outputs
- 18 - 18 outputs
- 32 - 32 outputs

Output Power:

- 14 - 14.0 dBm
- 17 - 17.0 dBm
- 20 - 20.0 dBm
- 21 - 21.0 dBm

Connector type:

- S - SC/APC
- E - E2000/APC
- L - LC/APC (Power outputs), SC/APC (Input and Testport)

* max. 75@EOL and max. ambient temperature and max. output ports



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