



High Power EDFA **WISI LX 37**



Description

LX 37 is an optical amplifier based on EYDFA 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.

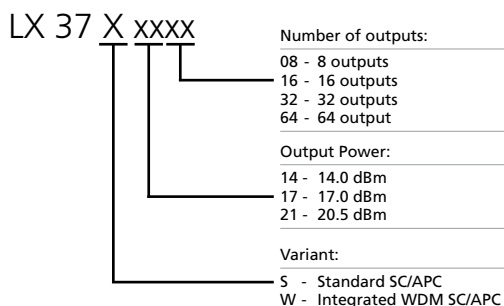
At one glance:

- 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	LX 37 S	LX 37 W
Operating wavelength	1545...1565 nm	
Input power	0...+10 dBm	
Output power configurations	64x	14.0 dBm 8x / 16x / 24x / 32x 17.0 dBm
	64x	17.0 dBm 8x / 16x / 24x / 32x 20.5 dBm
Gain control range	3 dBm (with constant noise figure)	
Noise figure	≤ 5.5 dB (Noise figure @ 0 dBm input, nominal output power and signal wavelength 1550 nm)	
Return loss input/output	≥ 40 dB	
Isolation output input	≥ 40 dB	
Output power tolerance	± 0.5 dB	
Port uniformity	± 0.8 dB	
Optical test port	-20 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		
Dimension (W x H x D)	483 mm x 89 mm x 455 mm (19", 2RU)	
Connector type	SC/APC	
Laser Class	1M	
Power supply units	1	
Slot for redundant power supply	1	
Supply voltage	230 V AC	
Power consumption	≤ 75 W (max. power consumption at end of lifetime and at max. operating temperature)	
Operating temperature range	-5...+45 °C (ETSI EN 300 019 -1-3 Class 3.2)	
Accessories:		
LXPS 0230	Redundant AC Power Supply for LX3x and LX52, 230V AC	
LXPS 0048	Redundant DC Power Supply for LX3x and LX52, 48V DC	

Order information



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