



High Power EDFA **WISI LX 37**



Description

LX 37 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:

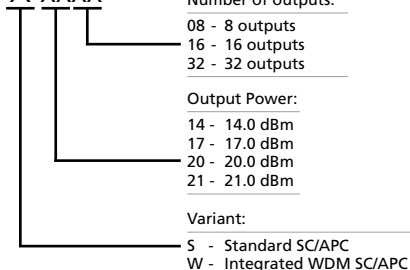
- Very high optical power with 38 dBm internally
- Stand-alone operation or integrated with WISI Optopus
- Management via SNMP, HTTP or custom options
- Carrier grade functions with hot pluggable and redundant power and fans

Technical data

| Type | 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 | 21.0 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

LX 37 X xxxx



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