

WISI LX 30 S 1702

Optical Amplifier



ELPAS



Description

The LX 30 is part of the Optopus product portfolio. LX 30 is an optical amplifier based on EDFA technology for use in FTTx and HFC 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 FTIX applications.

At a glance:

- Optical amplifier for use in WISI Chassis LX 50
- Amplification of optical signals in the C-band
- Up to four output ports with adjustable output power
- Optical test port for the output signal
- Wide input power range enables application as booster- or inline-amplifier
- Low electrical power consumption

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Technical data

| | |
|---------------------------|---|
| Amplifier inputs | 1 pcs. |
| Optical input power | -2...+10 dBm |
| Amplifier outputs | 2 pcs. |
| Optical output power | 2x 17,5 dBm |
| Output level tolerance | ±0,5 dB (Variation of output power over polarization, wavelength range and temperature range) |
| Output level variation | ±0,5 dB |
| Wave length | 1530...1565 nm |
| Setting range amplifier | 5 dB (0,1 dB-steps) |
| Noise figure | ≤5,5 dB (at 0 dBm input power, nominal output power and signal wave length 1550 nm) |
| Return loss | ≥45 dB (input - output) |
| Decoupling | ≥40 dB (output - input) |
| Optical test point output | -2.5 dB (in relation to EDFA-output power) |

Connectors

| | |
|-------------------|--------|
| SC/APC connectors | 1 pcs. |
|-------------------|--------|

General data

| | |
|-------------------------------------|---|
| Power consumption | W max. 16 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 ³ |
| Gross weight sales unit | 1.945 kg |
| Shipping unit | pcs. |
| Dimensions (WxHxD) shipping unit | mm |
| Packaging volume shipping package | 2.8 dm ³ |
| Gross weight shipping unit | 1.8 kg |
| EAN | 4010056723958 |
| Article number | 72395 |
| Customs tariff number | 8517610000 |