

WISI LX 11 S 1300

1310 nm transmitter



ELPAS



Description

The LX 11 is part of the Optopus product portfolio. LX 11 is a direct modulated fullband transmitter with 1310 nm for use in 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 FTTX applications.

At a glance:

- Optical HFC transmitter for use in WISI Chassis LX 50
- Adjustable OMI
- Automatic level control (ALC)
- Electronic predistortion
- Fullband transmitter 10...1006 MHz
- SBS suppression

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Technical data

| Downstream | |
|----------------------------|--|
| Laser type | Temperature stabilized DFB laser |
| Wavelength transmitter 1 | 1310 nm (± 10 nm) |
| Optical output power | 13 dBm (20 mW) |
| Frequency range | 10...1006 MHz |
| Optical return loss | >40 dB |
| Input level broadcast | 78 dB μ V (PAL-Level) |
| Input level Narrowcast | 84 dB μ V (QAM-Level, 4 dB back off) |
| Level control narrowcast | ± 2 dB (adjustable) |
| Inputs AGC | ± 5 dB |
| Decoupling NC/BC input | ≥ 50 dB |
| Electrical reflection loss | ≥ 20 dB (-1 dB /oct., min. 17 dB) |
| Ripple | $\leq \pm 0,5$ dB |
| Relative Intensity Noise 1 | < -155 dB γ /Hz |
| CSO | ≥ 63 dBc (42 channels CENELEC) |
| CTB | ≥ 65 dBc (42 channels CENELEC) |
| Input measurement socket | -20 dB (BC-Input level) |

Connectors

| | |
|----------|--------|
| F-socket | 1 pcs. |
|----------|--------|

General data

| | |
|-------------------------------------|---|
| Power consumption | ≤ 7 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 | 1.850 kg |
| Shipping unit | pcs. |
| Dimensions (WxHxD) shipping unit | mm |
| Packaging volume shipping package | 2.8 dm ³ |
| Gross weight shipping unit | 1.705 kg |
| EAN | 4010056723194 |
| Customs tariff number | 85176100 |
| Article number | 72319 |