

WISI LX 12 S 0600

Dual 1310 nm Transmitter



ELPAS



Description

The LX 12 is part of the Optopus product portfolio. LX 12 is a dual direct modulated fullband transmitter with 2x 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:

- Dual optical HFC transmitter for use in WISI Chassis LX 50
- Adjustable OMI
- Automatic level control (ALC)
- Fullband transmitter 10...1006 MHz
- Adjustable Narrowcast-Input

Technical data

Downstream

Laser type	Uncooled isolated DFB laser
Wavelength transmitter 1	1310 nm (± 10 nm)
Optical output power	6 dBm (4 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	$\leq \pm 0,75$ dB
Relative Intensity Noise 1	< -150 dB γ /Hz
CSO	≥ 60 dBc (42 channels CENELEC)
CTB	≥ 65 dBc (42 channels CENELEC)
Input measurement socket	-20 dB (BC-Input level)

Connectors

F-socket	1 pcs.
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General data

Power consumption	≤ 12 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	1.885 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.8 dm ³
Gross weight shipping unit	1.74 kg
Customs tariff number	85176100
EAN	4010056719463
Article number	71946