

WISI LX 13 S 0312

CWDM Up Stream Transmitter



ELPAS



Description

The LX 13 is part of the Optopus product portfolio. LX 13 is a dual CWDM upstream transmitter with two adjacent CWDM wavelengths for use in return path applications 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:

- High Density Dual CWDM-Transmitter
- Two CWDM transmitter in one module
- Highest performance with dual-stage isolator
- Adjustable OMI

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Technical data

Downstream

Laser type	Uncooled isolated DFB laser
Wavelength transmitter 1	1471/1491 nm
Optical output power	2x 3 dBm (2 mW)
Frequency range	5...500 MHz
Optical return loss	>40 dB
Input level broadcast	78 dB μ V (Low-Level-Input)
Input level Narrowcast	88 dB μ V (High-Level-Input)
Level control narrowcast	\pm 2 dB (adjustable)
Inputs AGC	\pm 5 dB
Decoupling NC/BC input	\geq 50 dB
Electrical reflection loss	\geq 20 dB
Ripple	\leq \pm 0,75 dB
Relative Intensity Noise 1	< -145 dB \sqrt /Hz
Input measurement socket	-20/-30 dB (Low-Level-/High-Level-Input)
OMI setting range	3...10 %
Dynamic range by 40 dB NPR	\geq 10 dB

Connectors

F-socket	1 pcs.
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General data

Power consumption	\leq 10,5 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	1.895 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.8 dm ³
Gross weight shipping unit	1.75 kg
EAN	4010056724566
Customs tariff number	85176100
Article number	72456