

WISI LR 92 A 1591

HFC MicroNode, upstream DFB 1590 nm



Description

At a glance:

- Compact HFC fiber node for FttB and FttH networks
- DFB laser for the return-transmission with high signal quality
- Several upstream wavelengths on one common fiber by using CWDM
- High output level enables direct in-house distribution
- Extremely low receiver noise for good reception quality at low input levels
- Manual adjustment of optical level compensation for maximum flexibility
- LED and DC test point for monitoring of optical input power

Technical data

Downstream

Wave length	1260...1610 nm
Optical input level	-8 ... +1 dBm
Frequency range downstream	85 ... 1006 MHz
RF output level, sloped	98 dB μ V (CENELEC 42 channels, 6 dB slope, at CSO/CTB >60 dB)
RF output level, flat	80 dB μ V (CENELEC 42 channels, flat, at CSO/CTB >60 dB)
attenuator downstream	0 ... 20 dB
Noise current density	≤ 4 pA/ $\sqrt{\text{Hz}}$
Output test point	-20 dB

Upstream

Laser type	Distributed Feedback (DFB)
Wavelength upstream	1590 nm
Optical output power	+3 dBm
Frequency range upstream	5 ... 65 MHz
Input level range	70 ... 100 dB μ V (for 15% OMI)
Attenuator upstream	0 ... 30 dB
Input measurement socket	70 dB μ V (for 15% OMI)

Connectors

F-socket	2 pcs. (RF in-/output, test port)
Input return loss	18 dB (-1,5 dB/Okt.)
SC/APC connectors	2 pcs. (Downstream input, upstream output)
Optical return loss	> 40 dB

General data

Operating voltage AC	230 V
Power consumption	< 6 W
Operating temperature range	-20...+50 °C
Dimensions (width x height x depth)	163 x 90 x 50 mm

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	mm
Packaging volume sales unit	dm ³
Gross weight sales unit	kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2,4 dm ³
Gross weight shipping unit	0,78 kg
EAN	4010056738013
Article number	73801
Customs tariff number	85176200