

WISI LR 92 A 1531

HFC MicroNode, upstream DFB 1530 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 | 1530 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

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|---------------------|--|
| 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

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|-------------------------------------|------------------|
| 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

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|-----------------------------------|---------------------|
| 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 | 4010056737993 |
| Article number | 73799 |
| Customs tariff number | 85176200 |