

Item no.: 389899

## OMNRK21310 - Optical mininode 5-65 MHz, 87-1006 MHz, 2 x 1310nm

from **308,84 EUR**

Item no.: 389899  
shipping weight: 0.30 kg  
Manufacturer: Teledes



### Product Description

Mini-optical node that acts as a bridge between coaxial technology and optical networks. Converts the optical signal (1200 nm-1600 nm) in the main network into a coaxial signal (87 MHz-1220 MHz) that arrives at the user's modem. Thanks to the return channel transmitter in the 1310 nm window with 3 dBm optical power, the node also converts the signal from the coaxial modem (5 MHz - 65 MHz) into an optical signal for the operator's headend. Uses two optical fibres: one for the forward channel and the other for the return channel. Ideal for installations using the DOCSIS protocol for bi-directional distribution of data and the DVB-C standard for television signals. Equipped with OLC technology. Ideal for RF overlay and FTTB applications. Highlights- Using OLC (Optical Level Control) technology, the parameters are automatically set to achieve a constant output level regardless of the channel load.- Equipped with attenuation control. Equipped with attenuation controls- High output voltage (RF gain) and improved C/N- Broadband optical reception- Very low power consumption Features- DOCSIS compatible Two operating modes: 1. CW (Continuous Wave), in this mode the laser transmits continuously; useful in applications where the return channel is attenuated (FTTB). 2. RFOG (RF over Glass); in this mode the laser transmits only when packets to be transmitted are present; it is therefore recommended only for installations with minimal attenuation of the return channel (FTTH).- Optical SC/APC connections and F connections for HF- Local power supply Specification Forward channel- Frequency range MHz 87 ... 1220- Output impedance Ohm 75- OLC input level dBm -8 ... +1dBm- Ripple dB  $\pm$  1- Outputs 1- Output level OLC activated, output 1 dB?V 93- CNR dB >52- CSO dB >60- CTB dB >60- Noise equivalent input value pA/ Hz < 6- Equaliser interstage dB 6/12 select.- Pre-emphasis dB 3 - Pre-emphasis dB 3 - Interstage dB 6/12 select.- Pre-emphasis dB 3- Wavelength nm 1200 - 1600- Opt. return loss dB >40- Opt. connection type SC/APC- Max. optical power dBm 2- Optical device type InGaAs pin photodiode Return channel- Frequency range (selectable) MHz 5 ... 65- Input impedance Ohm 75- Opt. output level dBm 3- Ripple dB  $\pm$  1- RF input level dB?V 70...100- RF level control dB 0/10/20 select.- Wavelength nm Wavelength nm 1310  $\pm$  20- Opt. connection type SC/APC- Laser type type DFB (Class1M)- Transmitter ON/OFF time ?s 1 General- Voltage supply V-/mA 99 / 75 ... 253 / 40- Max. Power consumption W 4- Test socket dB -30  $\pm$  1- HF connections type F- Housing material Zamak/ABS- Operating temperature °C -5 ... +45- Protection class IP 30- EMC compatibility EN 50083-2- Safety EN 60825-1\_2007 Physical data- Net weight: 504 g- Gross weight: 557 g- Width: 187 mm- Height: 89 mm- Depth: 34 mm- Main product weight: 504 g

### Specifications

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prices and availability

