

Item no.: 389898

OMNRK1610N - Optical Mininode 5-65 MHz, 87-1006 MHz, 1610nm Telecom.

from **388,10 EUR**

Item no.: 389898
shipping weight: 0.50 kg
Manufacturer: Teledes



Product Description

Mini-optical node that acts as a bridge between coaxial technology and optical networks. Converts the optical signal (1550 nm) in the main network into a coaxial signal (105 MHz-1220 MHz) that arrives at the user's modem. Thanks to the return channel transmitter in the 1610 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 a single optical fibre for forward and 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, FTTB and FTTH applications. Highlights- Using OLC (Optical Level Control) technology, parameters are automatically adjusted to achieve a constant output level regardless of channel load.- Equipped with attenuation control. Equipped with attenuation controls- High output voltage (RF gain) and improved C/N- 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 operating mode, the laser only transmits when packets to be transmitted are present; it is therefore only recommended for systems with minimal attenuation of the return channel (FTTH).- Optical SC/APC ports and F ports for HF- Either local power supply or remote power supply via the output F port Specification Forward channel- Frequency range MHz 105 ... 1220- Output impedance Ohm 75- OLC input level dBm -8 ... +1 dBm- Ripple dB ± 1 - Outputs 1- Output level OLC activated, output 1 dB \pm 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 1550- 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 ... 85- Input impedance Ohm 75- Opt. output level dBm 3- Ripple dB ± 1 - RF input level dB \pm V 70...100- RF level control dB 0/10/20 select.- Wavelength nm Wavelength nm 1610 \pm 10- 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 $^{\circ}$ C -5 ... +45- Protection class IP 30- EMC compatibility EN 50083-2- Safety EN 60825-1_2007 Physical data- Net weight: 499 g- Gross weight: 499 g- Width: 187 mm- Height: 89 mm- Depth: 34 mm- Main product weight: 499 g

Specifications

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All details, up-to-date
prices and availability

