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Overlight optical transmitter CWDM

DAB/UHF/SAT, 1310nm, Po 10dBm

Enhanced electronics and optical engineering to light up your TV

CWDM Wideband satellite and terrestrial optical transmitter. This device receives a satellite signal from a RF Wideband LNB and terrestrial band, and distributes it up to 64 users over a fiber output in the 1310nm window with 10dBm optical power.

Thanks to its optimized electronics and low losses, it allows to reduce the number of amplifiers required and simplifies deployment in the design of collective installations, preserving the signal quality throughout the process. Furthermore, it is fully indicated for use in GPON installations and adapts to different solutions.

This device is part of the Overlight system, that distributes satellite and terrestrial signals to multiple users through a single optical fiber.

It allows amplification.

This product is certified with the European IRS Certification Scheme mark, representing that it has passed the relevant test as set out in the latest EICS test specification, available from the DTG or CAI.

Ref.237502

Art.Nr

OLT1310

EAN13

8424450240298

Highlights

- High output level that makes it ideal for collective installations of up to 64 users
- Compatible with GPON deployments

- Adaptable to different solutions, especially those with dCSS technology
- Low losses
- Optimized electronic behavior
- 100% European design, quality, and manufacturing

Main features

- SC/APC optical connector
- F-type RF connectors
- High-screening Zamak chassis
- Can be wall-mounted using screws
- Power ON/OFF DC switch to LNB
- LED indicators displaying both signal status and DC power to LNB
- Compatible with conventional multiswitches in the NevoSwitch series, and with other IRS systems

Technical specifications

Inputs			TERR	V	H	
Frequency range	MHz	47 ... 694	290 ... 2340	290 ... 2340		
Input level	dB μ V	83 ... 95	70 ... 85	70 ... 85		
Input impedance	Ω	75				
Laser		MQW-DFB uncooled				
Wavelength	nm	1310				
Optical output power	dBm	10				
Input voltage	Vac	110 ... 230				
Operating temperature	$^{\circ}$ C	-5 ... 45				