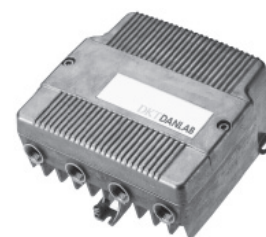




optical node

Highlights

- Value line - deep fibre optical node
- High system performance - high levels/low noise
- Modular optical return path transmitters
- Output splitter incorporated within the node
- Single compact unit, housing fibre optic receiver / transmitter and a versatile CATV amplifier



Product overview

The future-proof MIDI platform designed for HFC networks, gives you a quick and easy overview of the node.

Simple installation

The use of standard pads and a limited number of universal accessories simplifies and reduces set-up time.

Easy operation

The node can be customised as either a receiver only or as a transmitter / receiver.

Cost effective

Housed in a small, weather sealed unit and based on the modular MIDI platform, lowers the cost of spare parts, resulting in convenient maintenance and reduction in operational costs.

Applications

The OE 801H1 addresses the expanding service and operational needs of cable operators planning for the challenge of delivering interactive services to a growing number of subscribers. Ideal for delivering capacity for multimedia applications, the OE 801H1 pushes fibre directly to the curbside of each subscriber household in densely populated areas. Whilst operating at a low power consumption level, this all in-one active element delivers high output levels for distribution in any broadband HFC network environment.

Key features

- Variety of optical return path transmitters
- Variety of Output splitter modules
- High input sensitivity and wide input power range
- Excellent surge and transient protection
- Robust die-cast aluminium housing for excellent heat dissipation
- External AC input terminal for 24 - 65 Vac line powering

*OBS! Please note that the OEL801H1 node has no AC coils at the RF terminals.
If AC is delivered from the coax cable, an external Power Inserter can be used.*

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DK-4060 Kirke Saaby

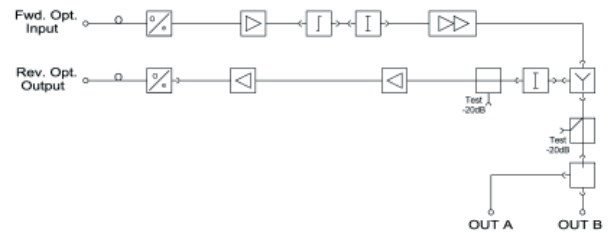
Tlf +45 4646 2626
Fax +45 4646 2625
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technical specifications

Accessories

Please refer to separate datasheets / pricelist

- Diplexer Filter Modules: MDA xxxx
- Splitter Modules: MS xxx
- Link Module: ML xx
- Pads: JXP-OT2xx



Please note that the OE 801H1 is supplied with an ML02 Link Module in the Output Splitter socket. Minimum configuration requires 1 x Diplexer Filter Module and 3 x Pads.

Technical specifications	Unit	OE 801H1
Forward path, Optical part		
Optical wavelength	nm	1290 - 1600
Optical input power level	dBm	-6 to +2
Equivalent current noise - 47 / 862 MHz	pA/√Hz	8 / 6
Forward path, Coaxial part		
Bandwidth (depending on diplexer modules)	MHz	47 - 862
Interstage attenuation (depending on pads)	dB	0 / -12
Interstage tilt (depending on pads)	dB	0 - 8
Linearity	dB	± 1
Output level - (optical link specification)	dBuV	100 - 110
CTB (42 ch CENELEC) @ 108dBuV flat / 0dBm / 4.5% OMI	dB	62
CSO (42 ch CENELEC) @ 108dBuV flat / 0dBm / 4.5% OMI	dB	65
Return loss, @ 40MHz	dB	18 -1.5 / oct
Return path		
Bandwidth (depending on diplexer modules)	MHz	5 - 65

Other specifications will depend on the selected transmitter module

General	Unit		
Line power, Voltage	VAC	24 - 65	
Line power, Current	mA	1080 - 450	
Mains power, Voltage	VAC	175 - 260	
Power consumption (incl. return path)	W	19	
Water and dust protection		IP65 degree	
Internally used optical connector		SC/APC	
Coaxial outputs		PG11	
Physical Characteristics			
Dimensions	mm	200x180x82	
Weight	kg	2	
Line powered - type/order no.		OEL 801H1SC/APC / 65839	OEL 801H1E2000 / 65860
Mains powered - type/order no.		OEM 801H1SC/APC / 65840	OEM 801H1E2000 / 65863

Note: All specifications are with 0 dB link modules. If other modules are inserted, please correct for insertion loss.