



LambdaDriver® – Optical Banded OADM and Band Splitter Modules (BS21/26/31/36, B4OADMxx)



B4OADM

Features

- Hot swappable
- Functional in non-powered mode

Applications

- DWDM networks In-service upgrade
- Multiple Channel distribution over single pair of fibers

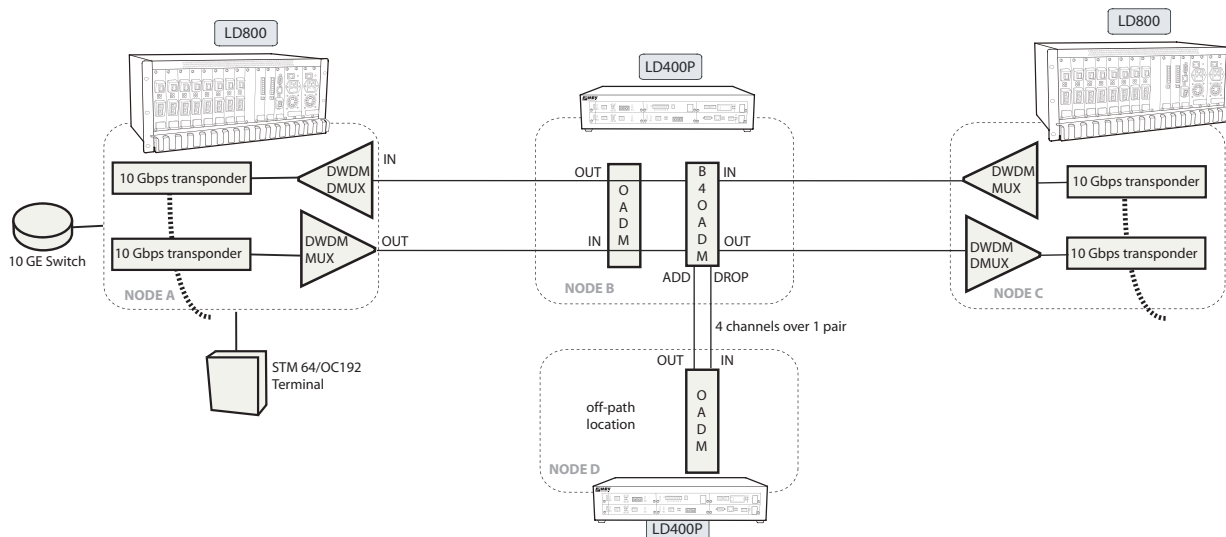
Overview

The optical banded splitter and Banded OADM modules are important building blocks of the LambdaDriver Optical Transport System and serve at optical communication nodes to transport a group of several DWDM channels over a single pair of fibers to off-path locations or in distributed star topologies.

The Banded Splitter BS 21/26/31/36 serves as a Mux/DeMux module with one Input, one Output and four banded Add/Drop ports serving channel groups 21 - 24, 26 -29, 31 -34, 36 -39.

The BS21/26/31/36E also includes EXP-IN and EXP-OUT ports.

The B4OADM is a dual fiber banded OADM with COM-IN, COM-OUT, EXP-IN, EXP-OUT trunk ports and one banded ADD/DROP ports used to pass 4 DWDM channels to an off-path location over one pair of fibers.



Environmental

Operating Temperature	-5 °C to +65 °C (23°F to 149 °F)
Storage Temperature	-20 °C to +75 °C (-4°F to 167 °F)
Relative Humidity	85% max, non-condensing
Dimensions (W x H x D)	26.93 x 130.7 x 227mm (1.06 x 5.145 x 8.937 in)
Weight	EM800: 0.42 kg (0.9 lb) EM1600: 0.84 kg (1.8 lb)
Power Consumption	0.33 Watt

Technical Specifications

BS21/26/31/36				
		Mux	Demux	Unit
Operating Wavelength range		1528 - 1563 nm		nm
Channel Number		4		
Center Wavelength		ITU - TGrid		nm
Bandwidth@-0.5dB		>2.7		nm
Return loss		>45		dB
Directivity		>50		dB
PDL		<0.15		dB
PMD		<0.15		ps
Power Handling		300		mW
Channel Insertion Loss	C21 - C24	<0.7	<1.9	dB
	C26 - C29	<1.1	<1.5	dB
	C31 - C34	<1.5	<1.1	dB
	C36 - C39	<1.9	<0.7	dB
Channel Isolation	Adjacent	>25		dB
	Non Adjacent	>40		dB
B4OADMxx				
Insertion Loss		2.0		dB
Pass-through loss		1.3		dB
Return Loss		45dB min.		dB

All parameters include connectors

Order Info

Product	Description
BS21/26/31/36	4 bands DWDM band splitter (ch#21, 26,31,36) module for LD800
BS21/26/31/36 E	4 bands DWDM band splitter (ch#21, 26,31,36) module for LD800 with Express ports
B4OADMxx	4 DWDM channels banded OADM (xx=21, 26, 31,36, 41,46,51,56)

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