



## DOAD-1xx/2xx-DS



Dual Fiber, Dual sided 100Ghz DWDM Add and Drop Multiplexer



### Description:

The DOAD-1/2-DS is a fully passive modular DWDM, Dual Fiber, Dual Side, 1 or 2channel Add Drop Multiplexer (OADM) unit for fiber optimization. The dual sided OADM is a single unit for Bi-Directional Optical Ring Switching. The unit does not require electrical power and configuration effort.

The dual slot 1U high chassis can be equipped with up to two modular units.

Opticonnects passive modular systems are ideal for fiber optimization in combination with our modular media converter series and WDM pluggable optics.

### Features

- 100GHz ITU Channel Spacing
- Low Insertion loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

### Applications

- Channel Add/Drop
- DWDM Network
- Wavelength Routing
- CATV Fiberoptic System

**For more information please contact:**

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*Opticonnect SYSTEMS B.V., an Optical Networking vendor with its headquarters in the Netherlands, provides Optical Transport solutions and Optical Transceivers at the best price performance ratio possible. Our goal is to simplify the planning, deployment and maintenance of complex Optical Networks. This is achieved by our user friendly planning apps and information, sophisticated products and transparent support. Relying on our superior product quality, all items are supplied with life time warranty.*

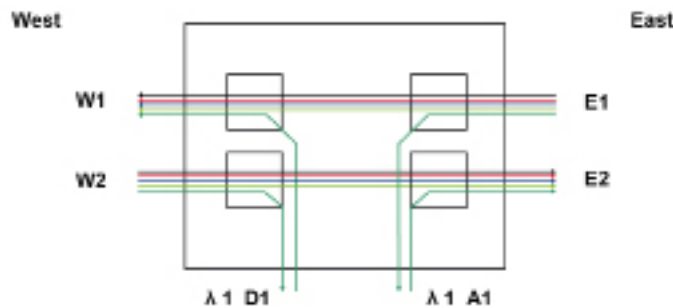


### Ordering Information:

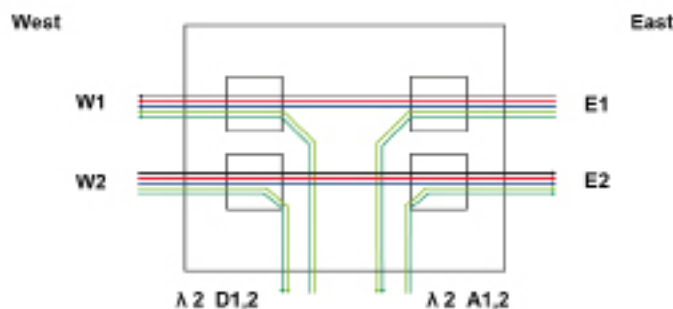
Partnumber	Description
DOAD-1xx-DS	DWDM Dual Fiber, Dual sided, 1 Channel OADM Module, in a 1U 19" chassis, LC/UPC Connectors, Channel 29 ~ 36, xx = Channel
DOAD-1xx-DSM	DWDM Dual Fiber, Dual sided, 1 Channel OADM Module, Module only, LC/UPC Connectors, Channel 29 ~ 36, xx = Channel
DOAD-2xx-DS	DWDM Dual Fiber, Dual sided, 2 Channel OADM Module, in a 1U 19" chassis, LC/UPC Connectors, Channel 29 ~ 35, xx= First Channel
DOAD-2xx-DSM	DWDM Dual Fiber, Dual sided, 2 Channel OADM Module, Module only, LC/UPC Connectors, Channel 29 ~ 35, xx= First Channel

### Function:

DOAD-1xx-DS (xx is the wavelength)



DOAD-2xx-DS (xx is the wavelength)



**Performance Specifications:**

Parameter			
Product Code		<b>DOAD-1xx-DS(M)</b>	<b>DOAD-2xx-DS(M)</b>
Operating Wavelength		29 ~ 37 ITU grid	
Wavelength Number		1	2
Center Wavelength Accuracy		±0.05nm	
Bandwidth @ -0.5dB		±0.22nm	
Insertion Loss	Port Add λi to Port W	≤1.2dB	≤1.2dB
	Port E to Port Drop λi	≤1.2dB	≤1.5dB
	Port E to Port W	≤1.4dB	≤1.4dB
Directivity		≥ 50dB	
Return Loss		≥ 45dB	
Isolation	Adjacent	≥ 30dB	
	Non-Adjacent	≥ 40dB	
Polarization Dependent Loss		≤0.1dB	
Temperature Dependent Loss		≤0.15 dB	≤0.20 dB
Optical Power Handling		≥ 300mW	
Operating Temperature		0 to +65°C	
Storage Temperature		-40 to +85°C	
Fiber Type/length		SMF-28e, 1+/-0.1m	
Connector Type		LC/UPC	
Packaging Dimension		19inch 1U Chassis, 429x232x43.6mm	

Note: All Parameters are excluding connectors.