

Product Bulletin



WD5555B M/D

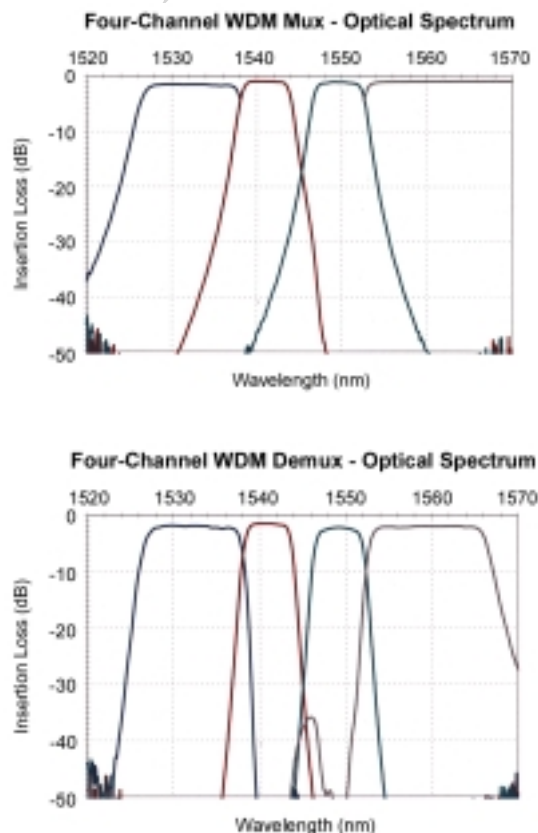
Unidirectional Dense WDMs
1533/1541/1549/1557 nm

The WD5555B M/D units are advanced products developed for high density multichannel WDM applications. The design is based on cascaded interference filters with a wavelength spacing of 8 nm.

Key Features

- Unidirectional
- Low insertion loss
- High isolation
- Low polarization dependent loss (PDL)

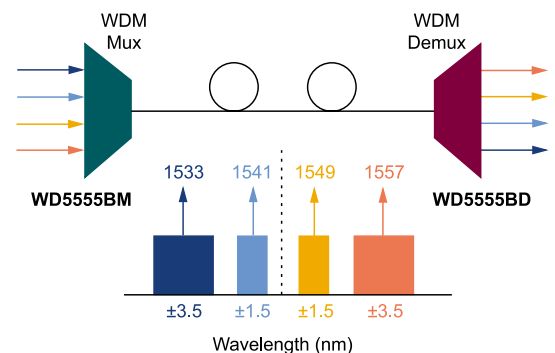
Performance



Applications

- Four wavelength dense WDMs
- High capacity transport systems
- Optical networks

Configuration



Specifications

Parameter		Multiplexer	Demultiplexer
Operating wavelength	1533±3.5 nm	transmit	receive
	1541±1.5 nm	transmit	receive
	1549±1.5 nm	transmit	receive
	1557±3.5 nm	transmit	receive
Insertion loss ¹	transmit ports	<2.0 dB	
	receive ports	<3.5 dB	
	end-to-end	<5.5 dB	
Isolation	>25 dB		
Directivity	>65 dB		
Return loss	>45 dB		
Optical power	20 dBm maximum		
Polarization sensitivity	<0.25 dB		
PMD	<0.1 ps		
Connectors	FC/PC		
Dimensions (W x H x D) ²	3.50 x 12.88 x 12.80 cm		
Temperature	0 to 50 °C		

1. Including common connector as measured against reference.

2. See JDS Uniphase's CS Series Optical Component Cassette Shelf, which holds 12 cassettes.

Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact your local JDS Uniphase sales representative or JDS Uniphase directly at 613 727-1303, or by fax at 613 727-8284, or via e-mail at sales@ca.jdsunph.com, or visit our Web site at www.jdsunph.com.

Sample: WD5555BD+1FNC0

WD5555B **+1**

Code	Configuration
M	Multiplexer
D	Demultiplexer

Code	Package Style
F	Flat pack
P	Flat pack with pigtails
C	Cassette

Code	Connector Type
NC	No connector
FP	FC/HPC
FA	FC/APC
SC	SC/HPC
SU	SC/APC
SP	ST/HPC ¹

Code	Pigtail Type
0	Without pigtail
D	900 µm loose tube
L	3.0 mm jacketed cable

1. This connector type is not available if you have selected the flat pack package style.



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