

# Product Bulletin



## WD5555B E/W Bidirectional Dense WDMs 1533/1541/1549/1557 nm

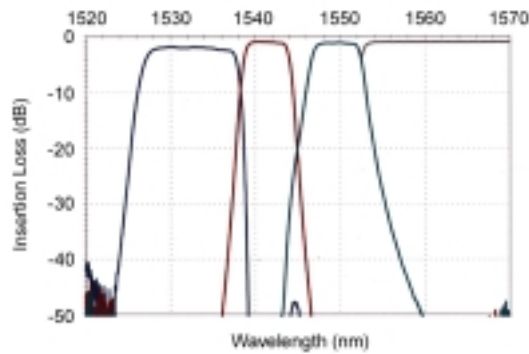
The WD5555B E/W units are advanced products developed for high density four-channel WDM applications. The design is based on cascaded interference filters with a wavelength spacing of 8 nm.

### Key Features

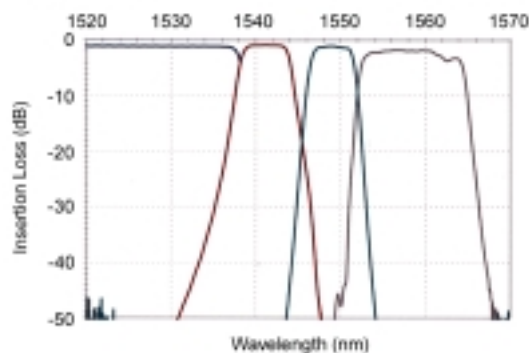
- Bidirectional (high/low band)
- Low insertion loss
- High isolation
- Low polarization dependent loss (PDL)

### Performance

Four-Channel WDM Mux - East Unit Optical Spectrum



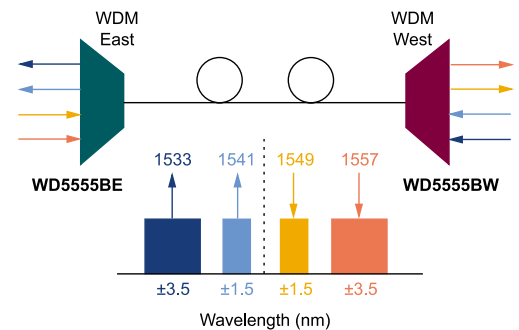
Four-Channel WDM Mux - West Unit Optical Spectrum



### Applications

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

### Configuration

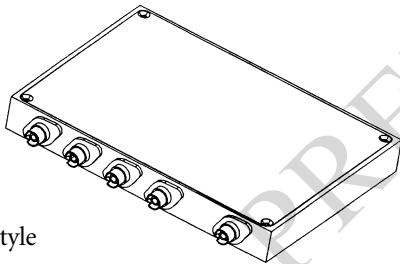


**Specifications**

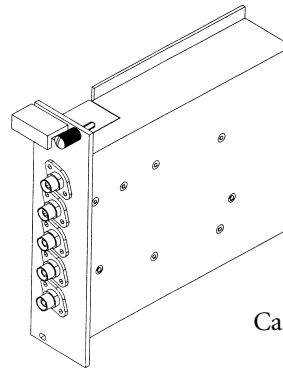
Parameter		East Unit	West Unit
Operating wavelength	1533±3.5 nm	receive	transmit
	1541±1.5 nm	receive	transmit
	1549±1.5 nm	transmit	receive
	1557±3.5 nm	transmit	receive
Insertion loss <sup>1</sup>	transmit ports	<2.0 dB	
	receive ports	<2.0 dB	
	end-to-end	<4.0 dB	
Isolation		>33 dB	
Directivity		>65 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)	flat pack style	13.33 x 1.59 x 9.53 cm	
	cassette style <sup>2</sup>	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.

**Package Style**



Flat Pack Style



Cassette Style

**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: WD5555BW+1FNC0**

**WD5555B**  **+1**

Code	Configuration
E	East
W	West

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 <sup>1</sup>

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.

