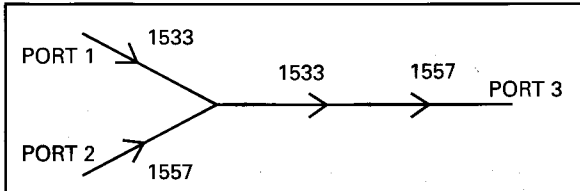


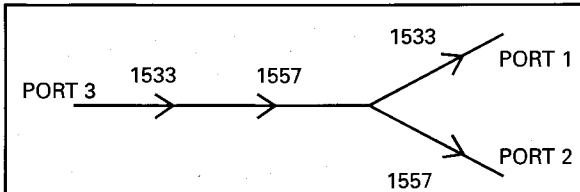
WD1515A Series 1533/1557 nm In-Band WDM Couplers

Models

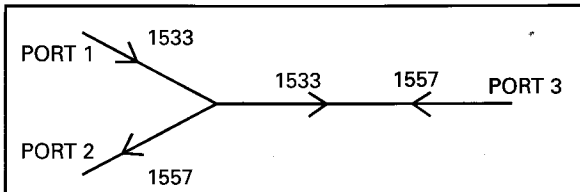
WD1515AM Unidirectional multiplexer for
1533 nm transmit/1557 nm transmit



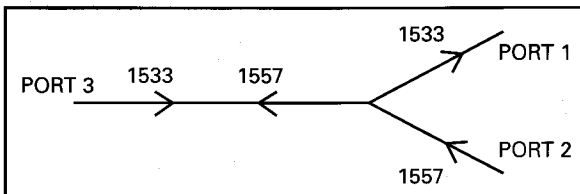
WD1515AD Unidirectional demultiplexer for
1533 nm receive/1557 nm receive



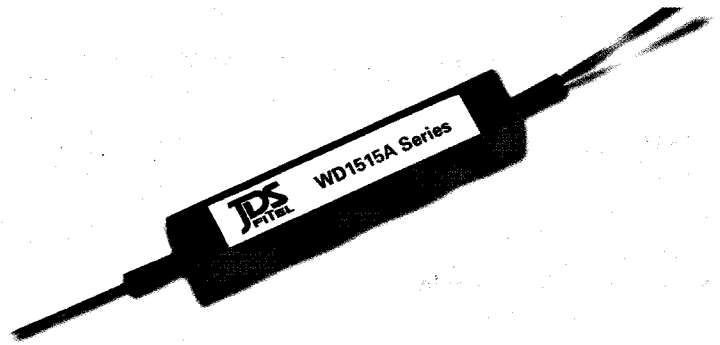
WD1515AX Bidirectional coupler for
1533 nm transmit/1557 nm receive



WD1515AY Bidirectional coupler for
1533 nm receive/1557 nm transmit



WD1515AU Universal coupler - suitable for
all of the above.



Key Features

- Low loss
- High isolation
- Wide spectral channels
- Cost effective solutions
- Tested for environmental reliability against Bellcore specification GR-1209-CORE, Issue 1, November 1994

Applications

- 1533/1557 bidirectional or unidirectional wavelength division multiplexing
- Fiber amplifier systems

JDS
OPTICAL

Specifications

1533 nm channel	1530 - 1536 nm
1557 nm channel	1554 - 1560 nm
Isolation	>35 dB
Return loss	>45 dB
Polarization dependent loss	<0.1 dB
Loss ¹ (per mux & demux pair)	<2.5 dB bidirectional system <3.2 dB unidirectional system <4.0 dB universal system
Operating temperature	0°C to 50°C
Storage temperature	-40°C to 85°C
Fiber type	SMF28 single-mode
Fiber length	1.5 m standard

1. Loss is for either channel over operating temperature and including one connector on each device.

Ordering Information

Indicate your application requirements by selecting one feature from each configuration table. For more information on this or other products and their availability, please contact your local JDS FITEL sales representative, or JDS FITEL directly at (613)727-1303, or by fax at (613)727-8284 or via e-mail at sales@jdsfitel.com.

A. Model	Check One
1. WD1515AM	
2. WD1515AD ¹	
3. WD1515AX	
4. WD1515AY	
5. WD1515AU ¹	

C. Packaging for 500 µm coatings	Check One
1. 5.6 x 5.6 x 38.1 mm	
2. 8.9 x 8.9 x 45.7 mm	

B. Coating	Check One
1. 250 µm ²	
2. 500 µm	
3. 900 µm ³	

D. Connector	Check One
1. No Connector	
2. FC/PC	
3. FC/APC	
4. ST/PC	

1. Package size is 89.0 x 8.9 x 50.0 mm
2. Package size is 5.6 x 5.6 x 38.1 mm
3. Package size is 8.9 x 8.9 x 45.7 mm