

Product Bulletin

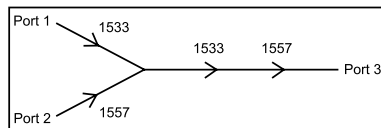


WD1515A Series 1533/1557 nm In-Band WDM Couplers

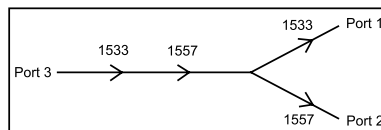
The WD1515A Series high performance WDMs allow multiplexing and demultiplexing of the 1533 and 1557 nm of channels in 1550 nm band.

Configurations

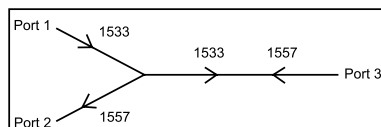
WD1515AM
Unidirectional multiplexer for
1533 nm transmit/1557 nm transmit



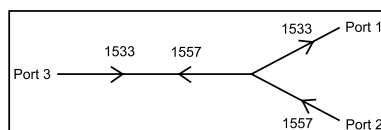
WD1515AD
Unidirectional demultiplexer for
1533 nm receive/1557 nm receive



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 solution
- Tested for environmental reliability against Bellcore specification GR-1221-CORE

Applications

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

Specifications

Parameter	Specification
1533 nm channel	1530 to 1536 nm
1557 nm channel	1554 to 1560 nm
Isolation	>35 dB
Return loss	>55 dB
Polarization dependent loss	<0.1 dB
Loss ¹ (per mux and demux pair)	<2.5 dB bidirectional system <3.2 dB unidirectional system <4.0 dB universal system
Fiber type	SMF-28 single-mode
Fiber length	1.5 m standard
Operating temperature	0 to 50 °C
Storage temperature	-40 to 85 °C

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

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: WD1515AX+1A00ANC1.5

WD1515A **+1A** **1.5**

Code	Model
M	WD1515AM
D	WD1515AD
U	WD1515AU
X	WD1515AX
Y	WD1515AY

Code	Buffer Size
00	250 µm buffered fiber (NC only)
11	900 µm tight buffer
02	3.0 mm jacketed cable

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

Code	Packaging
A	5.6 x 5.6 x 38.1 mm, with tabs (250 µm)
B	5.6 x 5.6 x 38.1 mm, without tabs (250 µm)
C	8.9 x 8.9 x 45.7 mm (900 µm)
D	8.1 x 14.7 x 82.6 mm (3.0 mm)
E	89.0 x 8.9 x 50.0 mm (models D and U)

SMF-28 is a registered trademark of Corning Incorporated.



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