

# Product Bulletin



## WD356 Series 1300+1550/1625 nm Monitoring WDM Couplers

The WD356 Series of WDM couplers is designed to provide a flexible fiber monitoring solution for 1310 and 1550 nm transmission channels using either the 1625 or 1650 nm channel.

### Key Features

- Low loss
- High isolation
- Unidirectional or bidirectional transmission
- Wide spectral channels
- Network transparent
- Cost effective solution
- Flexible configuration
- Universal product available to cover all applications in a single device

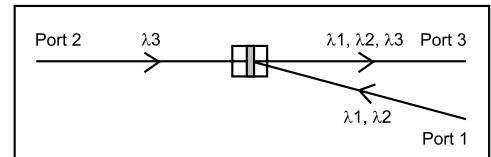
### Applications

- Fiber and system monitoring using 1625 or 1650 nm channels

### Configuration

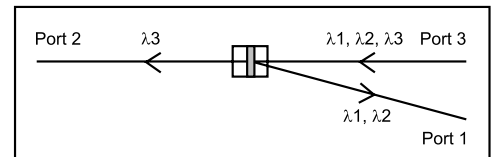
#### WD356M

Unidirectional multiplexer for 1615-1690 transmit/1310 & 1550 transmit



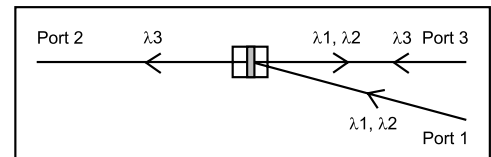
#### WD356D

Unidirectional demultiplexer for 1615-1690 receive/1310 & 1550 receive



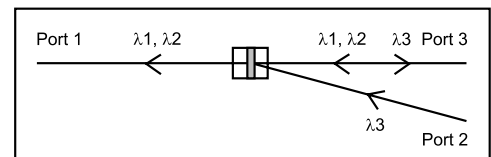
#### WD356X

Bidirectional coupler X for 1310 & 1550 transmit/1615 to 1690 receive



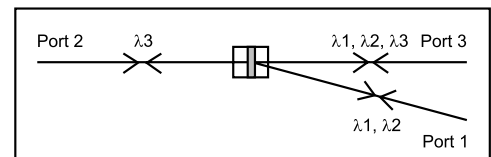
#### WD356Y

Bidirectional coupler Y for 1615 & 1690 transmit/1310 to 1550 receive



#### WD356U

Universal 1310/1550/1615 to 1690 nm coupler



**Specifications**

Parameter	WD356M	WD356D	WD356X	WD356Y	WD356U
Wavelength $\lambda_1$			1280 to 1360 nm		
Wavelength $\lambda_2$			1500 to 1565 nm		
Wavelength $\lambda_3$			1615 to 1690 nm		
Loss <sup>1</sup> at $\lambda_1$	<0.7 dB	<0.8 dB	<0.7 dB	<0.8 dB	<0.8 dB
Loss <sup>1</sup> at $\lambda_2$	<0.7 dB	<0.8 dB	<0.7 dB	<0.8 dB	<0.8 dB
Loss <sup>1</sup> at $\lambda_3$	<0.8 dB	<0.8 dB	<0.8 dB	<0.7 dB	<0.8 dB
Isolation	Port 3 to 1 at $\lambda_3$	N/A	>40 dB	N/A	>40 dB
	Port 3 to 2 at $\lambda_1$	N/A	>40 dB	>40 dB	N/A
	Port 3 to 2 at $\lambda_2$	N/A	>40 dB	>40 dB	N/A
Return loss (all ports)			>55 dB		
Directivity			>60 dB		
Polarization sensitivity			<0.1 dB		
Polarization dispersion			<0.1 ps		
Connectors	FC, ST, SC				
Fiber type	Single-mode ( $\mu\text{m}$ )				
Dimensions (W x H x D)	5.6 x 5.6 x 38.1 mm (250 $\mu\text{m}$ coated fiber)				
	8.9 x 8.9 x 45.7 mm (900 $\mu\text{m}$ coated fiber)				
	8.1 x 14.7 x 82.6 mm (3 mm jacketed fiber)				
	89.0 x 8.9 x 50.0 mm (model D)				
Operating temperature	-40 to 70 °C				
Storage temperature	-40 to 85 °C				

1. Excluding connector loss.

**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 613 727-8284, or via email at sales@ca.jdsunph.com, or visit our Web site at www.jdsunph.com.

**Sample: WD356X+1A00ANC1.5**

