



# 980/1550, 1310/1550nm Wavelength Division Multiplexer Coupler

Nanovation's Single Mode WDM Coupler features low insertion loss and low polarization dependent loss. The 1330/1550nm WDM coupler is used for dual window WDM devices, while the 980/1550nm WDM coupler is used for EDFAs with pump wavelengths of 980nm. These devices are manufactured using advanced fused biconic technology and are Bellcore GR-1209-CORE compliant.

## Features

- Low insertion loss
- High isolation
- Low polarization dependent loss

## Applications

- Fiber amplifier
- Telecommunications
- CATV fiber optic links



## Optical Parameters

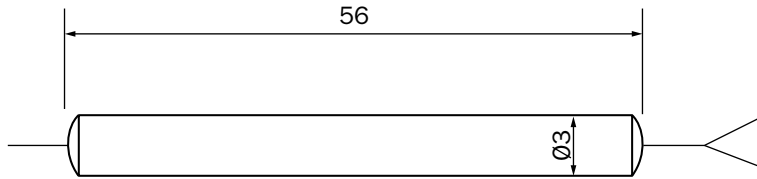
Parameter	980/1550		1310/1550	
	Operating Bandwidth (nm)	±10		±15
Grade	P	P	P	A
Isolation (dB)	≥20	≥18	≥24	≥18
Insertion Loss (dB)	≤0.3	≤0.4	≤0.3	≤0.4
Polarization Dependent Loss (dB)	≤0.1	≤0.13	≤0.1	≤0.13
Directivity (dB)	≥55			
Maximum Power Handling (mw)	300			
Maximum Tensile Load (N)	5			
Operating Temperature (°C)	- 40 to +70			
Storage Temperature (°C)	-40 to +85			
Package Dimension (mm)	D3 x 56			



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## Mechanical Packaging Diagram (mm)

(All dimensions are in mm; drawings are not to scale.)



## Ordering Information

W D C XXX X X - X X X

	Adapter/Connector Type
	0: No connector
	1: FC/UPC (standard)
	2: FC/APC
	3: SC/UPC
	4: SC/APC
	5: LC
	6: FC
	7: SC
	8: ST
	9: Other
	Pigtail Fiber Length
	0: Standard length = 1 m (standard)
	1: User specify
	Fiber Type
	0: Standard single-mode (standard)
	1: User specify
	Coupling Type
	1: 1x2
	2: 2x2
	Grade
	A: A grade
	P: Premium grade
	Wavelength
	31: Single Window 1310nm
	55: Single Window 1550nm
	35: Dual Window 1310/1550nm

### To order or for additional information, please contact us at:

Phone: 1-877-919-6266  
Fax: 1-734-354-0934  
Web: [www.nanovation.com](http://www.nanovation.com)

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