

# 1480/1550 (1480/1590) nm Fused WDM Coupler



## FEATURES

- ✓ Low Insertion Loss
- ✓ Low PDL
- ✓ High Isolation
- ✓ High Reliability and Stability

## APPLICATIONS

- EDFA (Erbium-doped Optical Fiber Amplifier)
- Fiber Laser
- Laboratory

## 1480/1550 (1480/1590) WDM Coupler Specifications

Parameters	1480/1550 (1480/1590) Fused WDM Coupler	
Configuration	1x2, or 2x2	
Operating Wavelength (nm)	1480 & 1550, or 1480 & 1590	
Operating Bandwidth (nm)	± 5	
Grade	P	A
Insertion Loss (dB)	≤0.3	≤0.35
Isolation (dB)	≥15	≥14
PDL (dB)	≤0.1	≤0.1
Directivity (dB)	≥55	
Fiber Type	Corning® SMF-28e	
Working Temperature (°C)	-40 ~ +85	
Pigtail Type	Package (mm)	
250µm Bare Fiber	Steel Tube, Φ3.0 × 60 or Φ3.0 × 54	
900µm Loose Tube	Steel Tube, Φ3.0 × 60	
2 mm or 3 mm Cable	Custom-sized ABS Box	

Notes: All the data are tested without connectors. The insertion loss of one pair of connector is less than 0.3 dB. Specifications are subject to change without notice and can be made on customer request.



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## Order Information

	Port	Grade	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
<b>Fused WDM Coupler</b>	1x2	P	1480/1550	SMF-28e	250 μm	Φ3 × 60	0.50 ± 0.05 m	None
	2x2	A	1480/1590		900 μm	Φ3 × 54	1.00 ± 0.1 m	LC/UPC
					2 mm	Custom ...	Custom ...	LC/APC
					3 mm		SC/UPC	
					SC/APC			
FC/UPC								
FC/APC								
Custom ...								

