

1310/1490 nm Fused WDM Coupler



FEATURES

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

APPLICATIONS

- CATV Networks
- Local Area Networks
- Telecommunications

1310/1490 WDM Coupler Specifications

Parameters	1310/1490 WDM Coupler		1310/1490 High Isolation WDM Coupler	
Configuration	1x2 or 2x2			
Operating Wavelength (nm)	1310 and 1490			
Operating Bandwidth (nm)	± 15			
Grade	P	A	P	A
Insertion Loss (dB)	≤0.2	≤0.3	≤0.5	≤0.6
Isolation (dB)	≥17	≥16	≥38	≥35
PDL (dB)	≤0.05	≤0.1	≤0.1	≤0.15
Directivity (dB)	≥55			
Fiber Type	Corning® SMF-28e			
Working Temperature (°C)	-40 ~ +85			
Pigtail Type	Package (mm)			
250µm Bare Fiber	Steel Tube, Φ3.0 × 45			
900µm Loose Tube	Steel Tube, Φ3.0 × 54			

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

Order Information

	Port	Grade	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
Fused WDM Coupler	1x2	P	1310/1490	Corning® SMF-28e	250 µm	Φ3 × 54	0.50 ± 0.05 m	None
	2x2	A		Custom ...	900 µm	Φ3 × 45	1.00 ± 0.1 m	LC/UPC
					Custom ...	Custom ...	LC/APC	
							SC/UPC	
						SC/APC		
							FC/UPC	
							FC/APC	
							Custom ...	