

Single Mode Optical Coupler

Features

- Dual windows operation
- Low IL & PDL & WDL
- Stable & reliable
- Available in both 1x2 & 2x2 configuration

Applications

- Telecommunication network
- LAN & CATV network



Main Specifications

Parameter		Specification							Unit
Center Wavelength		1310 & 1550							nm
Bandwidth		±40							nm
Coupler Ratio		50/50	40/60	30/70	20/80	10/90	5/95	1/99	
Insertion Loss	Max	3.4	4.4/2.6	5.7/1.9	7.6/1.2	11/0.65	14.2/0.4	22.5/0.2	dB
Excess Loss	Typical	0.1							dB
Polarization Dependent Loss	Max	0.1							dB
Directivity	Min	55							dB
Return Loss	Min	50							dB
Operating Temperature Range		-40 ~ 85							°C
Storage Temperature Range		-40 ~ 85							°C
Package Dimension		see order information							

Notes:

1. All values referenced without connector.

Order Information

WFC-A-B-C-D-E

A	Configuration	12: 1x2 22: 2x2
B	Coupler Ratio	99: 1/99 95: 5/95 90: 10/90 80: 20/80 ⋮
C	Package Size	A: 3.0*35 mm (for 250 μm bare fiber) B: 3.0*54 mm (for 900 μm fiber)
D	Fiber Type	A: 250 μm bare fiber B: 900 μm loose tube fiber
E	Connector Type	0: without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: customized

Example

Part number of "WFC-12-99-A-A-X" represents a Single Mode Optical Coupler with:

- 1x2 configuration
- 1/99 coupler ratio
- 3.0*35 mm (for 250 μm bare fiber)
- 250 μm bare fiber
- customized connector

Please contact our Sales to discuss your specific requirements.