

C-WU MINI STANDARD COUPLERS

Features:

- Low Insertion Loss
- Environmentally stable

Applications:

- EDFA
- Local Area Network
- CATV



Performance Specifications:

ITEM	Mini Standard Couplers
Operating Wavelength Range, nm	1530-1565 (C band) or 1570-1605 (L band)
Insertion Loss, dB	Please refer to the coupling ratio vs. insertion loss chart
Temperature Dependence Loss, dB	≤ 0.10 (signal path), ≤ 0.20 (tap path)
Polarization Dependence Loss, dB	0.1 (S grade), 0.15 (H grade)
Directivity, dB	≥ 55
Return Loss, dB	≥ 50
Max. Optical Power, W	4
Operating Temperature, °C	-40~+75
Storage Temperature, °C	-40~+85
Package Dimension	3 x 35mm for coated fiber (250um) 3.8 x 50mm for loose tube cable (900um)

Note: 1. IL is without connector loss
 2. 0~+70°C for 900um
 3. Coupling ratio option: 1:99 to 50:50

Package Dimensions:



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Coupling Ratio VS. Insertion Loss:

Coupling Ratio	Max. IL (dB)	
	Main port	Tap port
1/99	0.20	19-21
2/98	0.25	16.5-18.4
5/95	0.4	12.4-14
10/90	0.60	9.5-10.8
20/80	1.2	6.6-7.6
40/60	2.50	3.9-4.4
50/50	2.8-3.3	2.8-3.3

Note: 1. Without connector loss
 2. Insertion loss over operating wavelength range at ~23°C (excluding PDL and TDL)
 3. Insertion loss change over the all input polarization states

Ordering Information:

C - WU - A - - - - - /

Package Option

- C Corning SMF-28e
- L Metal tube with 0.9mm cable
- X Others, please specify

Coupling Ratio

01 ~ 50 Please specify

Grade

- S Super
- H High

Port Number

- 12 1 x 2
- 22 2 x 2

Pigtail Length (for each port)

- | | | | |
|----|-----------|----|------------------------|
| 10 | 1 meter | 05 | 0.5 meter |
| 20 | 2 meter | 15 | 1.5 meter |
| 00 | Modulized | XX | Others, please specify |

Wavelength

- CB 1530-1565nm
- LB 1570-1605nm

Connector Type (Input / Output)

- | | | | |
|----|------------------------|----|-------------|
| FC | FC type | AP | FC/APC type |
| SC | SC type | AS | SC/APC type |
| ST | ST type | LC | LC type |
| MU | MU type | NC | None |
| XX | Others, please specify | | |