



Mini Size Single Mode Dual Window Broadband Coupler

Features

- Mini size
- Low excess loss
- Low PDL
- High stability and reliability

Applications

- Mini size EDFA
- Mini size transmitter/receiver module
- Optical communication systems
- Testing instruments

Specifications

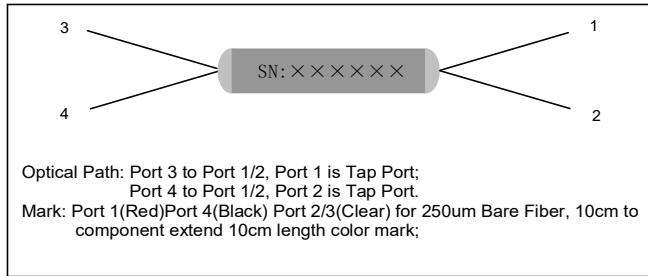
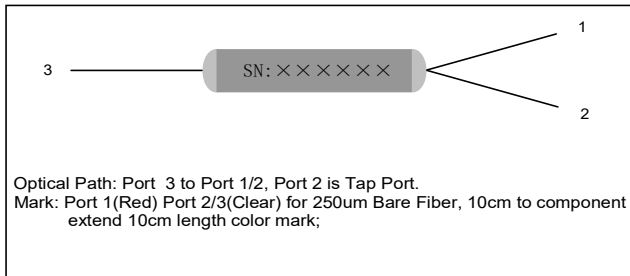
Parameter	Wavelength	1310 and 1550±40nm	
	Max. IL(dB) @Central wavelength	CR	
50/50		3.6	3.7
40/60		4.70/2.70	4.80/2.80
30/70		6.00/2.00	6.10/2.10
20/80		7.90/1.30	8.00/1.40
10/90		11.30/0.75	11.50/0.80
5/95		14.50/0.45	14.50/0.50
3/97		16.70/0.35	16.85/0.40
2/98		18.65/≤0.35	18.80/0.35
1/99		21.80/0.30	22.00/0.30
Max. PDL(dB)	0.1/99.9	28.00~32.00/0.30	28.00~32.00/0.30
	CR≥30%	0.15	0.15
	30%>CR≥1%	0.15	0.15
	CR<1%	NA	
Min. Return Loss (dB)		50	
Min. Directivity (dB)		50	
Max. Power handling (mW)		500	
Max. TDL (dB) @CR≥1%		0.15	
Operating temperature(°C)		-5~75	
Storage temperature (°C)		-40~85	
Fiber type		SMF-28e	SMF-28e
Dimension: Φ×L(mm)		3×30,2.4×30	3×25,2.4×25

*Above specifications are for device without connector.

*For devices with connectors, IL should be 0.3dB higher, and RL will be 5dB lower.

* The material must be RoHS compliant.

Package Dimensions



Ordering Information

MSDC-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥-⑦⑦-⑧⑧

①①: Wavelength

- 31 - 1310nm
- 48 - 1480nm
- 55 - 1550nm
- SS - Specify

③③: Coupling Ratio

- 0.1 - 0.1/99.9
- 01 - 1/99
- 02 - 2/98
- 03 - 3/97
- 05 - 5/95
- 10 - 10/90
- 20 - 20/80
- 30 - 30/70
- 40 - 40/60
- 50 - 50/50
- SS - Specify

④④④④: Connector Type

- 1B - FC/UPC
- 2B - FC/APC
- 3B - SC/UPC
- 4B - SC/APC
- N - None
- S - Specify

⑥: Fiber Length

- 1 - 1.0m
- S - Specify

②: Port

- 1 - 1X2
- 2 - 2X2

⑦⑦: Fiber type

- 09 - SMF-28e Fiber

⑤⑤⑤⑤: Fiber Jacket

- B - 250um Fiber
- S - Specify

⑧⑧: Package

- 19 - Ø3.0x30
- 20 - Ø3.0x25
- 21 - Ø2.4x25
- 22 - Ø2.4x30