

# 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

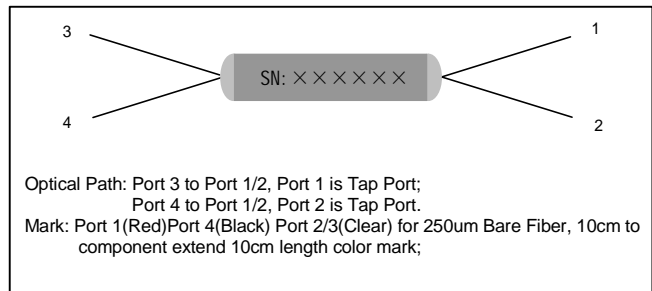
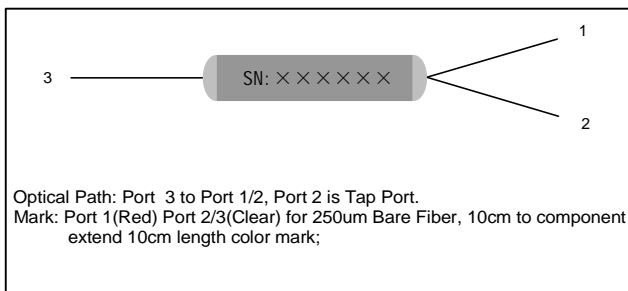
## Specifications

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.

## Package Dimensions



## Ordering Information

**MSDC-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥-⑦**

①①: Wavelength  
31 - 1310nm  
48 - 1480nm  
55 - 1550nm  
SS - Specify

②: Port  
1 - 1X2  
2 - 2X2

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  
1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
N - None  
S - Specify  
⑤⑤⑤⑤: Fiber Jacket  
B - 250um Fiber  
S - Specify

⑥: Fiber Length  
1 - 1.0m  
S - Specify  
⑦: Package  
1 - 2.4×30  
2- 3.0×30  
3- 2.4×25  
4- 3.0×25