

Optizone Mini Size Single Mode Broadband Coupler

Features

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

Applications

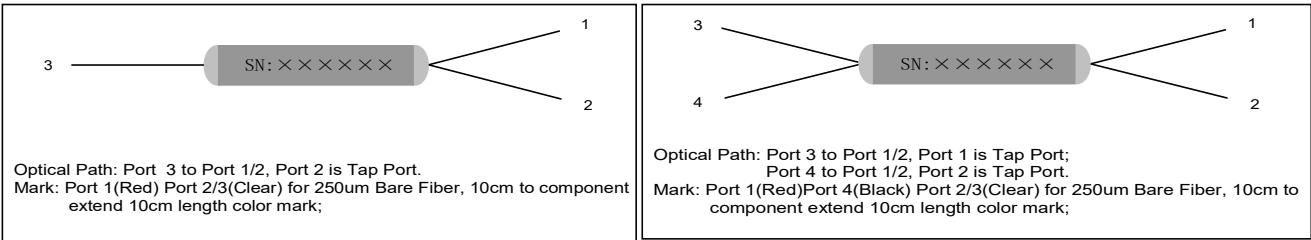
- Mini size EDFA
- Mini size transmitter/receiver module
- Optical communication systems
- Testing instruments

Specifications

Parameter		Wavelength		
		980±20,1030±20,1060±40nm	1310,1480,1550±40nm	1940,2000±20nm
Max. IL(dB)	CR			
	50/50	3.6	3.5	3.7
	40/60	4.6/2.8	4.5/2.7	4.9/2.9
	30/70	5.9/2.2	5.8/2.0	6.0/2.2
	20/80	7.9/1.5	7.7/1.3	7.9/1.6
	10/90	11/0.9	10.85/0.75	11.2/0.95
	5/95	14.5/0.6	14/0.45	14.5/0.65
	3/97	16.5/0.5	16.35/0.35	17.0/0.55
	2/98	18.4/0.45	18.25/0.35	18.5/0.55
	1/99	21.8/0.4	21.5/0.3	22.0/0.5
Max. PDL(dB)	0.1/99.9	28~32/0.4	28~32/0.3	28~32/0.5
	CR≥30%	0.1	0.1	0.1
	30%>CR≥1%	0.15	0.15	0.15
	CR<1%	NA		
Min. Return Loss (dB)		50		
Min. Directivity (dB)		50		
Max. Power handling (mW)		500		
Max. TDL (dB)		0.15		
Operating temperature(°C)		-5~75		
Storage temperature (°C)		-40~85		
Fiber type		HI1060 flex	SMF-28e	SMF-28e
Dimension: Φ×L(mm)		3×30,2.4×30	3×30,2.4×30	3×30,2.4×30

*Above specifications are for device without connector.
 *For devices with connectors, IL should be 0.3dB(1310~1550) or 0.5dB(980~1060) or 0.3dB(1940~2000) higher, and RL will be 5dB lower.
 * The material must be RoHS compliant.

Package Dimensions



Ordering Information

MSBC-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥-⑦⑦-⑧⑧

- ①①: Wavelength
 98 - 980nm
 03 - 1030nm
 06 - 1060nm
 31 - 1310nm
 55 - 1550nm
 19- 1940nm
 20 - 2000nm
 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
 1B - FC/UPC
 2B - FC/APC
 3B - SC/UPC
 4B - SC/APC
 N - None
 S - Specify
- ⑤⑤⑤⑤: Fiber Jacket
 B - 250um Fiber
 S - Specify
- ⑥: Fiber Length
 1 - 1.0m
 S - Specify
- ⑦⑦: Fiber type
 09 - SMF-28e Fiber
 20 - HI1060 Flex Fiber
 1E - HI1060 Fiber
- ⑧⑧: Package
 19 - Ø3.0x30
 20 - Ø3.0x25
 21 - Ø2.4x25