

1x2 (2x2) Mode-insensitive Multimode Fiber Coupler



FEATURES

- ✓ Etched Multimode Fiber Based
- ✓ Mode Insensitive
- ✓ Wide Passband
- ✓ High Reliability

APPLICATIONS

- Data Center
- Multimode Communication Systems
- Fiber Sensor Systems
- Instruments

Mode-insensitive Multimode Fiber Coupler Specifications

Parameters		Grade P	Grade A
Wavelength (nm)		850, 1310, 1550, 2000; Others on Request	
Light Source		LED, VCSEL; Others on Request	
Insertion Loss (dB)	50/50	≤3.7/3.7	≤4.0/4.0
	60/40	≤2.9/4.8	≤3.2/5.1
	70/30	≤2.1/6.2	≤2.4/6.5
	80/20	≤1.6/8.2	≤1.9/8.5
	90/10	≤1.1/11.8	≤1.5/12.4
	95/5	≤0.7/14.7	≤1.0/15.5
	98/2	≤0.6/18.6	≤0.9/19.4
	99/1	≤0.5/22.0	≤0.8/22.8
Operating Bandwidth (nm)		±40	
Directivity (dB)		≥40	
Fiber Type		50/125 (OM2, OM3, OM4), 62.5/125, 105/125; Others on Request	
Working Temperature (°C)		-40 ~ +85	
Storage Temperature (°C)		-40 ~ +85	
Package (mm)	Bare Fiber	Φ3 × 54, Steel Tube	
	0.9 mm Loose Tube	Φ3 × 60, Steel Tube	
	2 mm or 3 mm Cable	90 × 20 × 10, ABS Box	

Notes:

1. Above data are test results without connectors. The insertion loss of one pair of connector is less than 0.3 dB.
2. Specifications are customizable and subject to change without notice.
3. For product customization or special requirement, please contact our sales representative.



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Ordering Information

Port	Split Ratio	Grade	Light Source	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
1 × 2	50/50	P	LED	850	OM1	250 μm	Φ3 × 54	0.50 ± 0.05 m	None
2 × 2	60/40	A	VCSEL	1310	OM2	0.9 mm	Φ3 × 60	1.00 ± 0.05 m	LC/UPC
	70/30		Custom ...	850&1310	OM3	2 mm	90×20×10	Custom ...	LC/APC
	80/20		1550	OM4	3 mm	SC/UPC			
	90/10		2000	50/125	SC/APC				
	95/5		Custom ...	62.5/125	FC/UPC				
	98/2		105/125	FC/APC					
	99/1		Custom ...	Custom ...	Custom ...				

