

Singlemode Wideband Coupler (Directional and Bidirectional)



FEATURES

- ✓ Wide Passband
- ✓ Low Insertion Loss
- ✓ Low PDL
- ✓ High Reliability

APPLICATIONS

- Optical Communication System
- Local Area Networks (LAN)
- CATV
- Fiber Sensor Systems
- Optical Test System

Specifications

Parameters		Grade P	Grade A
Port		1x2 or 2x2	
Operating Wavelength (nm)		980, 1310, 1550, C band, L band, or C+L Band	
Bandwidth (nm)		980 (1310, or 1550) ± 40, 1528~1565 (C), 1570~1605 (L)	
Insertion Loss (dB)	50/50	≤3.4	≤3.6
	40/60	≤4.4/2.6	≤4.7/2.8
	30/70	≤5.7/1.9	≤6.0/2.0
	20/80	≤7.6/1.25	≤8.0/1.3
	10/90	≤11.0/0.65	≤11.5/0.8
	5/95	≤14.2/0.4	≤14.8/0.5
	2/98	≤18.5/0.25	≤19.0/0.35
	1/99	≤21.5/0.2	≤22.0/0.3
PDL (dB)		≤0.1	≤0.15
Directivity (dB)		≥55	
Fiber Type		SMF-28e; Clear Curve® XB; Others on Request	
Working Temperature (°C)		-40 ~ +85	
Package (mm)		250µm Bare Fiber: Steel Tube, Φ3 × 54 / 45 0.9 mm Loose Tube: Steel Tube, Φ3 × 54 2 mm or 3 mm Cable: ABS Box, 90 × 20 × 10	

Notes: All the data are tested without connectors. Insertion loss of one pair of connector is less than 0.3 dB.

Other specifications can be made on customer request.



Optical Components, Fiber Optic Devices, Modules, and more.

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Order Information

	Port	Split Ratio	Grade	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
Wideband Coupler	1 × 2	50/50	P	980	SMF-28e	250 μm	Φ3 × 54	0.50 ± 0.05 m	None
	2 × 2	40/60	A	1310	Clear Curve® XB	0.9 mm	90×20×10	1.00 ± 0.1 m	LC/UPC
		30/70		1550	Custom ...	2 mm	Custom ...	Custom ...	LC/APC
		20/80		1310/1550		3 mm			SC/UPC
		10/90		1528~1565					SC/APC
		5/95		1570~1605					FC/UPC
		2/98		C+L Band					FC/APC
		1/99		Custom ...					Custom ...



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