

635/1064 and 635/1550 nm Fused WDM Coupler



FEATURES

- ✓ Low Insertion Loss
- ✓ Low PDL
- ✓ High Reliability and Stability
- ✓ High Power Handling

APPLICATIONS

- Fiber Laser
- Instrument
- R&D

635/1064 and 635/1550 WDM Coupler Specifications

Port Configuration	1x2 or 2x2
Operating Wavelength (nm)	635 and 1064; (or) 635 and 1550
Operating Bandwidth (nm)	± 5
Insertion Loss @ 1064 or 1550 Port (dB)	≤0.2
Insertion Loss @ 635 Port (dB)	≤1.0
Isolation @ 1064 or 1550 Port (dB)	≥20
Isolation @ 635 Port (dB)	≥15
PDL @ 1064 or 1550 Port (dB)	≤0.1
Return Loss (dB)	≥55
Directivity (dB)	≥55
Handling Power (W)	5 or 10 (COM to 1064nm Port)
Fiber Type	SMF-28e; HI 1060; HI 1060 FLEX; Others on Request
Working Temperature (°C)	-5 ~ +70
Storage Temperature (°C)	-40 ~ +85
Pigtail Type	Package (mm)
250µm Bare Fiber	Steel Tube, Φ3.0 × 54
900µm Loose Tube	Steel Tube, Φ3.0 × 54
2 mm or 3 mm Cable	Modular 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. It is recommended that pigtails should NOT be terminated with fibre-optic connectors at the COM or 1064 port.
3. Specifications are subject to change without notice and can be made on request.
4. For product customization or special requirement, please contact our sales representative.



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Ordering Information

	Port	Wavelength	Fiber Type	Pigtail	Package	Fiber Length	Connector
Fused WDM Coupler	1x2	635/1064	SMF-28e	250 µm	Steel Tube	0.50 m	None
	2x2	635/1550	HI 1060	900 µm	Modular Box	1.00 m	LC/UPC
			HI 1060 FLEX	2 mm	Custom ...	Custom ...	LC/APC
			Custom ...	3 mm			SC/UPC
							SC/APC
							FC/UPC
							FC/APC
							Custom ...

