

NoTail™ Drop-in Coupler & WDM



These connectorized couplers and WDMs are free of fiber pigtailed and ready to be inserted in optical systems without the headaches of tinkering with fragile and messy fiber pigtailed. Another important feature of these devices is the short optical path delay (~30 cm) between the input and the output, desirable in many systems where the optical path balance is important, such as interferometric systems, ultra-short pulse systems, and fiber laser systems. Additionally, these devices have four strong magnets mounted on the back for temporary but secure placement on standard optical tables.

Specifications:

	Coupler		WDM	
	Operating Center Wavelength	1310, 1550, or 1310/1550		1310/1550
Operating Bandwidth	±40 nm		±20 nm	±5 nm
Wavelength Isolation	N/A		> 16 dB	> 12 dB
Insertion Loss	See table below		0.5 dB	0.6 dB
Excess Loss	0.3 dB typical, 0.7 dB max.			
Return Loss	FC/PC connectors: 50 dB, FC/APC connectors: 55 dB			
PDL	0.1 dB typical			
Thermal Stability	0.1 dB typical			
Operating Temperature	0 to 70 °C			
Storage Temperature	-40 to 85 °C			
Fiber Type	SMF-28			
Port Configuration	1 × 2 or 2 × 2			
Dimensions	3.5" × 1.5" × 5/8" (L × W × H)			

Note: Values are referenced with connectors in table above.

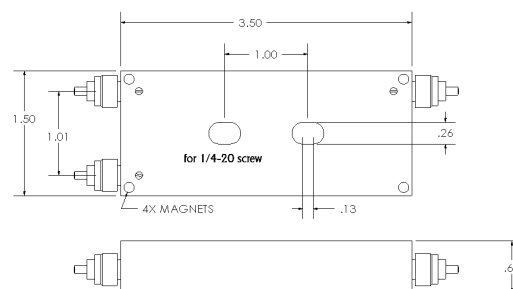
Other WDM wavelength combinations may be available. Contact General Photonics for details.

Insertion Loss (IL) Table

Coupling Ratio	IL (Single Window)	IL (Dual Windows)
50/50	< 3.4/3.4	< 3.6/3.6
40/60	< 4.4/2.6	< 4.7/2.7
30/70	< 5.7/1.9	< 6.0/1.9
20/80	< 7.6/1.25	< 7.9/1.3
10/90	< 11.0/0.65	< 11.2/0.75
5/95	< 14.2/0.4	< 14.6/0.4
1/99	< 21.5/0.2	< 22.5/0.25

Note: Values are referenced without connectors for IL table only.

Dimensions:



Tech Info: p. 215

Ordering Information:

Visit our online store at www.generalphotonics.com for detailed configuration information.

Features:

- Wide operating bandwidth
- Short optical path delay
- Compact and rugged design
- Easy to integrate into fiber optical systems
- Low excess loss
- High temperature stability

Applications:

- Power monitoring and sharing
- CATV
- Local area networks

