

## NoTail™ Drop-in Coupler (NTC)



These connectorized couplers are free of fiber pigtails and ready to be inserted into optical systems without the headaches of tinkering with fragile and messy fiber pigtails. 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:

Operating Center Wavelength	1310, 1550, or 1310/1550
Operating Bandwidth	±40 nm
Insertion Loss	See table below
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.	

### 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

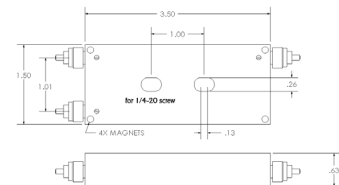
### Applications:

- Power monitoring and sharing
- CATV
- Local area networks

### Tech Info:

- Optical Coherence Tomography Technologies

### Dimensions (in inches):



### Insertion Loss (IL) Table

Coupling Ratio	IL (Single Window)	IL (Dual Windows)
50/50	< 3.5/3.5	< 3.6/3.6
40/60	< 4.5/2.7	< 4.7/2.7
30/70	< 5.8/2.0	< 6.0/1.9
20/80	< 7.7/1.25	< 7.9/1.3
10/90	< 11.0/0.7	< 11.2/0.75
5/95	< 14.0/0.45	< 14.6/0.4
1/99	< 21.5/0.25	< 22.5/0.25
Note: Values are referenced without connectors for IL table only.		

### Ordering Information:

