

Tunable Directional Coupler

TC1400 series

TC1400 series is an all fiber, polished directional coupler with variable coupling ratio. This device can be used to divide or combine optical signals in fiber optics research. With its low loss and precision mechanism, TC1400 series give you smooth and easy control of coupling ratio.



Features

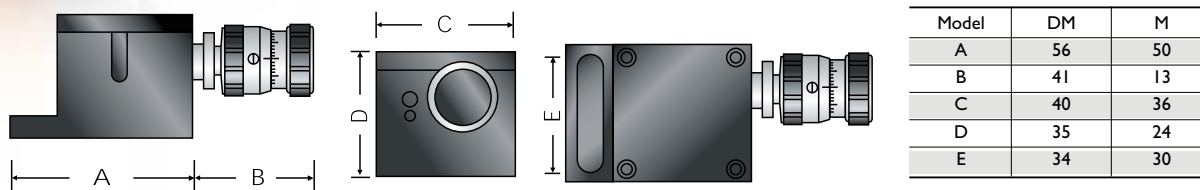
All fiber Configuration
Low excess loss
Smooth & easy control of coupling ratio

Applications

- 1. Fiber Optic Interferometers**
- 2. Fiber sensor**
- 3. Fiber laser**

Tunable Directional Coupler

Dimensions



Specification

Common type	
Fiber	Fiber types can be specified by the customer
Wavelengths	633 nm, 830 nm, 1064 nm, 1300 nm, 1550 nm
Insertion loss	< 0.1 dB (without connectors)
Tuning range of coupling	0% ~ 100%
PM Fiber Coupler	
Polarization Extinction ratio	> 20 dB

The specifications and technical information contained herein are subject to change without notice and are furnished without charge or obligation. They are given and accepted at recipients sole risks.

Ordering code

1) TC1400 : Differential Micro Adjuster

TC1400-(1)-(2)-(3)-(4)

1. wavelength → 630 nm (063), 830 nm (083), 1060 nm (106), 1300 nm (130), 1550 nm (155)
2. fiber type → P : PM, NP : Non-PM
3. (PM only) extinction ratio → A > 20 dB, B > 15 dB, P > 25 dB
4. connector type → No Connector (X)

2) TC 1401 : 80 pitch Micrometer

TC1401-(1)-(2)-(3)-(4)

1. wavelength → 630 nm (063), 830 nm (083), 1060 nm (106), 1300 nm (130), 1550 nm (155)
2. fiber type → P : PM, NP : Non-PM
3. (PM only) extinction ratio → A > 20 dB, B > 15 dB, P > 25 dB
4. connector type → No Connector (X)

Example : TC1400-155-P-P-X

→ 1500 nm single mode PM fiber Tunable Directional Coupler with 25 dB extinction ratio equipped with differential micrometer.