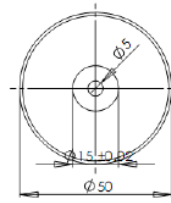
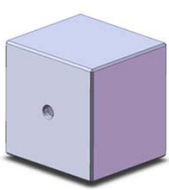


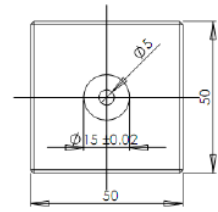


780nm/808nm/830nm980nm/1064nm Faraday Rotator

Faraday rotators change the polarization state of light traveling through it. The output polarization state is rotated by 45 degrees with respect to the input polarization. When combined with a mirror, the reflected light is rotated by another 45 degrees, resulting in a 90 degree rotation. In addition, the polarization handedness is reversed by the mirror. This results in a reflected polarization that is orthogonal to the original polarization. This is useful when used in interferometers, because polarization changes through the fiber are cancelled out on the return journey.



C Type: $\varnothing 50 \times 45\text{mm}$



Q Type: $50 \times 50 \times 45\text{mm}$

Features

- ◆ Low insertion loss
- ◆ SM, MM and PM versions available
- ◆ Wide range of center wavelengths
- ◆ Compact housing

Applications

- ◆ Fiber Laser
- ◆ Interferometers Sensors
- ◆ Amplifiers
- ◆ Circulators

Performance Specifications

Parameters	Values
Central Wavelength(nm)	780,808,830,980,1064
Operating Wavelength Range(nm)	± 5
Max. Insertion Loss at CWL(at 25°C)(dB)	0.20
Clear Aperture(mm)	5.0
Rotator Angle(deg)	45 ± 3
Extinction Ratio(dB)	40
Operation Temperature(°C)	0 ~ +60
Storage Temperature Range(°C)	-40 ~ +85

*Specifications may change without notice.

**Other specifications can be made on customer request.

Order information

FR-①①--②②-③



①①	②②	③
wavelength	Rotator Angle	Package Dimensions
78:780nm 80:808nm 830:830nm 98:980nm 64:1064nm XX:Other	45:45deg	C: Circle Type Q:Quadrate Type