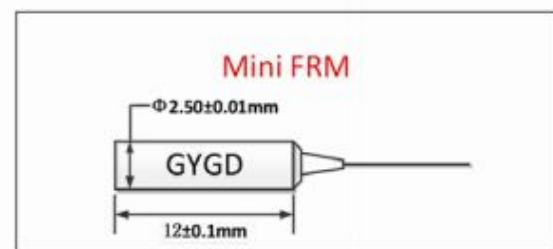
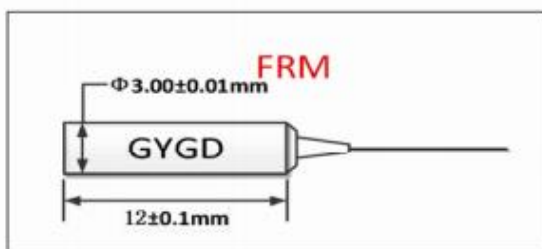


Faraday Rotation Mirror

Product Description

The Faraday Rotation Mirror is a passive device that provides 90 degree rotation to the polarization state of the input light. The FRM offers excellent performance including the low insertion loss and environmental stability. This FRM can be manufactured in 80/165um fine diameter fiber, MFD value 6um. This product used advanced technology to ensure low insertion loss of products.

Package Dimension



Specifications

| Parameter | Unit | Value |
|--------------------------------------|--------------------|--|
| Central Wavelength (λ_c) | nm | 980/1064/1310/1550 |
| Working Wavelength range | nm | $\lambda_c \pm 50$ |
| Typical Insertion loss | dB | 0.7 |
| Maximum Insertion loss | dB | 0.8 |
| Faraday Rotation Angle (Single pass) | Degree | 45 |
| Maximum Rotation Angle Tolerance | Degree | ± 3 |
| Maximum Polarization Dependent Loss | | 0.1 |
| Fiber Type | dB | 125/250um fiber or 80/160um fine diameter fiber, MFD value 6um |
| Operating Temperature | $^{\circ}\text{C}$ | -5 to +70 |
| Storage Temperature | $^{\circ}\text{C}$ | -40 to +85 |

Ordering information

FRM-①①-②-③-④-⑤-⑥

| ①: Wavelength | ②: Fiber Type | ③: Package Diameter | ④: Tube Type | ⑤: Connector Type | ⑥: Fiber Length |
|---------------|---------------|---------------------|---------------------|-------------------|-----------------|
| 55 - 1550nm | 1-SMF-28E | 1- 3.0 x12 mm | B- 250um bare fiber | 1-FC/UPC | 1-1.0m |
| 98 - 980nm | S -Specify | 2- 2.5 x12 mm | L- 900um loose tube | 2-FC/APC | S- Specify |
| 31 - 1310nm | | | S -Specify | 3-SC/UPC | |
| 64-1064nm | | | | 4 -SC/APC | |
| SS - Specify | | | | N -None | |

