



Reduced Cladding Fiber Faraday Mirror (GK-RCFM Series)

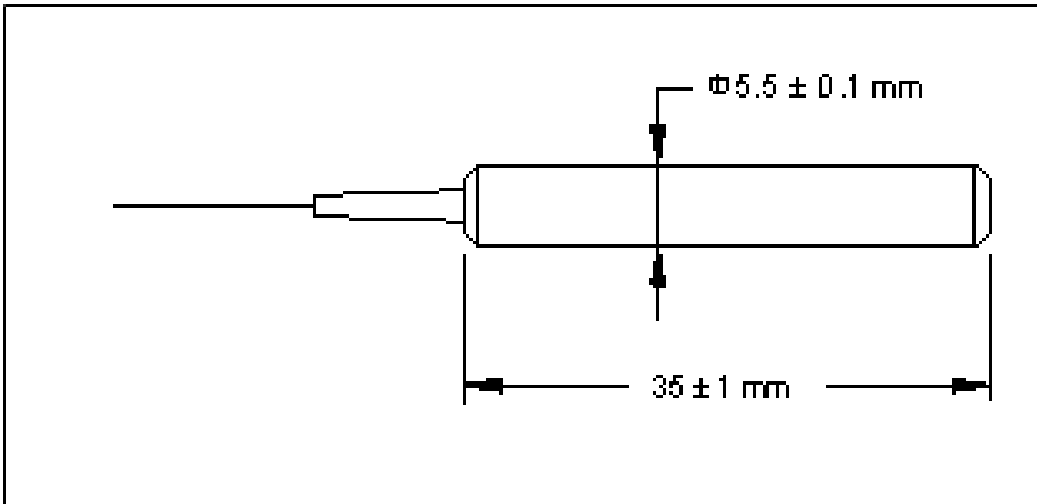
● Description

The Reduced Cladding Fiber Faraday Mirror is a passive device that provides 90 degree rotation without regarding to the polarization state of the input light. The RCFM offers excellent performance including the lowest possible insertionloss and enviromental stability. It is used in compact optical amplifier, DWDM systems, sensors, compact optical circuits and other fiber optic communication equipments to minimize the polarization effect.

● Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Operating Wavelength Range	nm	$\lambda_c \pm 15$
Typ. Insertion Loss	dB	1.0
Max. Insertion Loss	dB	1.2
Faraday Rotation Angle (Single Pass)	degree	45
Max. Rotation Angle Tolerance Over Wavelength at 23 °C	degree	± 3
Max. Polarization Dependent Loss	dB	0.05
Max. Optical Power (Continuous Wave)	-	300
Max. Tensile Load	mW	5
Fiber Type	N	RC 1550 Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

● Package Dimensions



● Ordering Information

GK-RCFM-①-②-③-④

①: Wavelength

55 - 1550 nm

SS - Specify

②: Fiber Jacket

B - 170 μm Bare Fiber

L - 900 μm Loose Tube

S - Specify

③: Connector Type

N - None

④: Fiber Length

1 - 1 m

S - Specify