RC Fiber Faraday Mirror (RCFM Series)

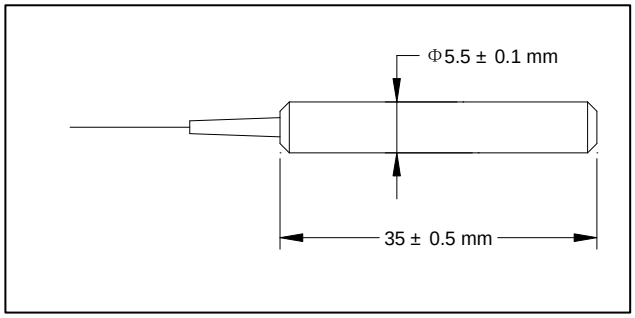
Rev 10

The RC 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 insertion loss 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	
Center Wavelength (λc)	nm	1550
Operating Wavelength Range	nm	λc ± 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 ℃	degree	± 3
Max. Polarization Dependent Loss	dB	0.05
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type		RC 1550 Fiber
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85

Package Dimensions



Ordering Information

RCFM-①①-②-③-④

①①: Wavelength	②: Connector Type	③: Fiber Type	④: Fiber Length
55 - 1550 nm	N - None	B - 170 μm Bare fiber	1 - 1 m
SS - Specify		L - 900 μm loose tube	S - Specify
		S - Specify	