

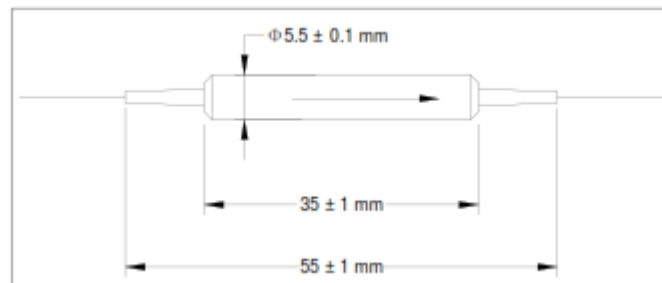
## In-line Faraday Rotator

Model #: ILFR  
 Description: In-line Faraday Rotator  
 Application: Fiber amplifier, fiber laser, fiber sensor etc.

### Specifications:

Parameter	Unit	Specifications
Wavelength Range	nm	1550, 1480 or 1310 +/- 15
Maximum Insertion Loss	dB	0.5
Typ. Insertion Loss	dB	0.3
Rotation Angle at $\lambda_c$ , 23°C	Deg.	45 ± 1
Min. Return Loss	dB	50
Mi. Polarization Extinction Ratio (slow axis of input is aligned with either slow or fast axis of output, PM/PM version)	dB	20
Max. Optical Power (CW)	mW	500
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to + 80
Dimension (mm)		5 (D) x 35 (L)

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



### Ordering Information:

**Beam Combiner ILFR-AA-B-C-D-E**

AA: wavelength	B: connector type	C: fiber jacket	F: fiber type (input / output)	G: fiber length
31 - 1310	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	1 - PM/PM	Q-0.75m
48 - 1480	2 - FC/APC	L - 900 $\mu$ m loss tube	2 - SMF/SMF	X-other
55 - 1550	3 - SC/UPC		X-other	
XX - other	4 - SC/APC			
	N - none			
	X - other			