

## In-line Faraday Rotator (DL-ILF-VV-W-X-Y-Z)

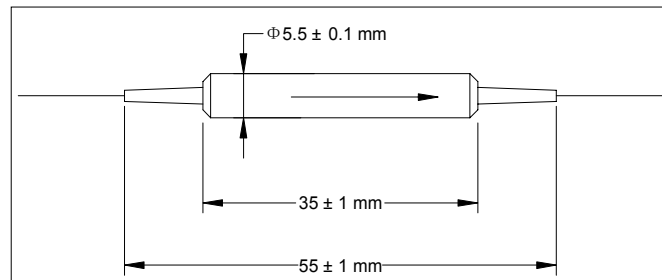
The In-line Faraday Rotator is used to rotate the polarization of the input light by 45 degrees. It provides low insertion loss, high extinction ratio, high return loss and excellent environmental stability. This component is used in sensors, amplifiers, lasers, etc.

### A. Specifications

Parameter	Value	Unit
Center Wavelength ( $\lambda_c$ )	1310, 1480 or 1550	nm
Operating Wavelength Range	$\lambda_c \pm 15$	nm
Rotation Angle, $\lambda_c$ , 23 °C	$45 \pm 1$	degree
Max. Insertion Loss	0.5	dB
Min. Extinction Ratio (slow axis of input port is aligned to slow axis of output port, for PM/PM type, at 23 °C)	20	dB
Min. Extinction Ratio (slow axis of output port is aligned to fast axis of input port, for PM/PM type, at 23 °C)	20	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500	mW
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

\*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

### B. Package Dimensions



### C. Ordering Information

#### DL-ILF-VV-W-X-Y-Z

VV: Wavelength	W: Connector Type	X: Fiber Type	Y: Fiber Type (Input/Output)
31 - 1310 nm	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	1 - PM/PM
48 - 1480 nm	2 - FC/APC	D - 400 $\mu$ m Panda fiber	2 - SMF/PM
55 - 1550 nm	3 - SC/UPC	L - 900 $\mu$ m loose tube	3 - SMF/SMF
SS - Specify	4 - SC/APC	S - Specify	
	N - None		Z: Fiber Length
			Q - 0.75 m
			S - Specify