

460-690nm Inline Faraday Rotator

FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ High Reliability and Stability
- ▣ Various Bandwidth
- ▣ High Optical Power

APPLICATIONS

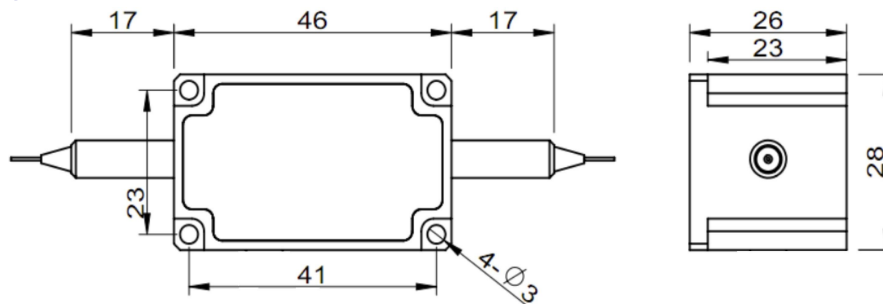
- ▣ Broadband Systems
- ▣ Optical Amplifying Systems
- ▣ Telecommunication Networks
- ▣ Laser Systems
- ▣ Research Labs

SPECIFICATIONS

Parameter	Unit	Value		
Center Wavelength (λ_c)	nm	460, 488, 520, 532	635, 650, 660, 690	
Operating Wavelength Range	nm	+/-5		
Typical Insertion Loss	dB	1.5		
Max. Insertion Loss	dB	2.0		
Rotation Angle (λ_c , 23°C)	deg	22.5+/-3, 45+/-3, 90+/-6		
Optical Return Loss (Input/Output)	dB	50/50		
PDL	dB	≤0.2		
Extinction Ratio	dB	≥16		
Fiber Type	SM Fiber	-	460-HP Fiber	630-HP Fiber
	PM Fiber	-	PM460-HP Fiber	PM630-HP Fiber
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	mW	30		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 1.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FIFR-	NNNN	-	NN	C	C	-	C	NN	-	CC/CCC
Center Wavelength	Rotation Angle	Input Fiber Type	Output Fiber Type	Fiber Sleeve	Fiber Length	Connector Type				
488-488nm	22.5-22.5degree	P-PM Fiber	P-PM Fiber	B-Bare Fiber	05-0.5m	N-Without Connector				
532-532nm	90-90degree	S-SM Fiber	S-SM Fiber	L-Loose Tube	10-1.0m	FC/APC=FC/APC Connector				
635-635nm	Blank for 45degree			2-2mm Cable	15-1.5m	LC/PC=LC/PC Connector				
650-650nm				3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector				