



Fiber Faraday Mirror

I&Optics' fiber Faraday mirror can rotate the plane of input linear polarization beam by any specified angle due to the famous Faraday Effect and reflect the input beam back. It can be used in lasers, telecom, sensors, testing systems and R&D.

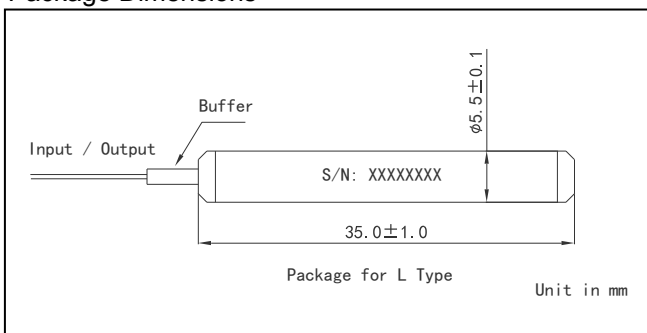
Specification

Parameter	Test Condition	Unit	Value	
Model Type	-	-	L-Type	H-Type
Nominal Center Wavelength (CWL)	-	nm	1064, 1310, 1550, 2000 or Specify	633, 850, 980, 1064 or Specify
Wavelength Range	-	nm	+/-15 (1064nm), others +/-20	+/-10 (633nm), others +/-15
Max. Excess Loss	at Center Wavelength (Proper SOP)	dB	2.8, Typ. 2.3 (1064nm), 0.8, Typ. 0.6 (2000nm), others 0.5, Typ. 0.35	0.8, Typ. 0.6
Nominal Extinction Ratio (ER)	at 23°C, Input to Output (Slow Axis to Fast Axis)	dB	23, Typ. 25	
Nominal Faraday Rotation	at CWL, Incident + Reflect	°	90	
Max. Power Handling Rate	Continuous Wave	W	0.1 for 1064nm, 0.3 for others	1,3,5,10 or Specify
Fiber Type	-	-	SM or PM Panda fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 50 (1064nm), others -5~70	-5 to 50
Operating Relative Humidity	Non-Condense	%	0 to 95	
Storage Temperature	-	°C	-40 to 85	-10 to 70
Storage Relative Humidity	Non-Condense	%	0 to 95	

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, and for H Type, handling power is only 0.5W. ER is not available for SM fiber.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions



Detailed dimensions for package type H please contact us. We are very pleased to do our best to provide customized package for optimizing.

Ordering Informations

FFM-①-②-③-④-⑤-⑥-⑦

① - Center Wavelength

63 - 633nm

85 - 850nm

98 - 980nm

06 - 1060nm

31 - 1310nm

55 - 1550nm

20 - 2000nm

SS - Specify

② - Model Type

L - L Type

H - H Type

③ - Power Rate

L - for L Type

1 - 1W

10 - 10W

④ - Fiber Type

1 - SM 650 Fiber

2 - PM 630 Panda Fiber

3 - Hi 780 Fiber

4 - PM 850 Panda Fiber

5 - Hi 1060 Fiber

6 - PM 980 Panda Fiber

7 - SMF-28e Fiber

8 - PM 1310 Panda Fiber

9 - PM 1550 Panda Fiber

⑤ - Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑥ - Fiber Jacket 1/2

B - Bare Fiber

L - 900um Loose Tube

⑦ - Fiber Length

0.8 - 0.8m