



Fiber Polarization Controller

I&Optics' fiber polarization controller can change the state of polarization of input polarization light by introducing extra retardation. It features very low insertion loss and excellent durability due to our unique technology. It can be used in lasers, sensors, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value	
			P-Type	L-Type
Model Type	-	-		
Nominal Center Wavelength	-	nm	633, 780, 850, 980, 1064, 1310, 1550, 2000 or Specify	
Wavelength Range	-	nm	Limited by Fiber Itself	
Max. Insertion Loss	-	dB	Limited by Fiber Itself	
Min. Extinction Ratio	-	dB	35	
Min. Return Loss	-	dB	Limited by Fiber Itself	
Max. Power Handling Rate	Continuous Wave	mW	500	
Fiber Type	-	-	Single Mode Fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Operating Relative Humidity	Non-Condense	%	0 to 95	
Storage Temperature	-	°C	-40 to 85	
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(633~850nm 0.5dB), return loss will be 50dB for UPC connector and 55dB for APC connector.

Package Dimensions

Detailed Informations And Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

FPC-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 - Package Type

P - P-Type(3-Paddle)

L - L-Type(Line Type)

② - Fiber Type on port 1/2

1 - SM 650 Fiber

2 - Hi 780 Fiber

3 - Hi 1060 Fiber

4 - SMF-28e Fiber

5 - SM 1950 Fiber

③ - Connector Type on port 1/2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

④ - Fiber Jacket on Port 1/2

B - Bare Fiber

L - 900um Loose Tube

⑤ - Fiber Length

0.8 - 0.8m