



Free Space Polarization Controller

I&Optics' free 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
Adjusting Knob Number	-	-	2 or 3
Nominal Center Wavelength	-	nm	633, 780, 850, 980, 1064, 1310, 1550, 2000 or Specify
Wavelength Range	-	nm	+/-10 (633~850nm), +/-15 (980~1064nm), others +/-20
Max. Insertion Loss	-	dB	0.1
Min. Extinction Ratio	at Center Wavelength	dB	35
Nominal Clear Aperture	-	mm	Dia. 3, 5, 10 or Specify
Max. Power Handling Rate	Continuous Wave	W/cm ²	1x10 ⁶ or Specify
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Above specifications are for device without protecting windows. Windows are available upon request.

Package Dimensions

Depend on the clear aperture and application. Typical dimensions are Dia.30.0mm x L28.0mm with mounting screw M3.

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

Ordering Informations

FSPC-①-②-③-④-⑤

① - Center Wavelength

63 - 633nm

85 - 850nm

98 - 980nm

06 - 1060nm

31 - 1310nm

55 - 1550nm

20 - 2000nm

SS - Specify

② - Adjusting Knob Number

2 - 2

3 - 3

③ - Clear Aperture

03 - Diam. 3.0mm

05 - Diam. 5.0mm

10 - Diam. 10.0mm

SS - Specify

④ - Package Dimensions

1 - Dia.25.4mm x L24mm

2 - Dia.30.0mm x L28.0mm

3 - Dia.40.0mm x L36.0mm

4 - Dia.35.0mm x L32.0mm

S - Specify

⑤ - Mounting Type

3 - M3 in Base