Free Space Variable Phase Retarder

I&Optics' free space variable phase retarder can change the phase retardation very precisely. It features very low insertion loss, very precise variable retardation 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
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	0.2
Nominal Retardation Precise	at Center Wavelength	-	0-order λ/200 (633~980nm), others 0-order λ/300
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	-	℃	-5 to 70
Storage Temperature	-	℃	-40 to 85

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

Package Dimensions

Depends on the clear aperture and application.

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

Ordering Informations

FSVPR-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 - Clear Aperture
03 - Diam. 3.0mm
05 - Diam. 5.0mm
10 - Diam. 10.0mm
SS - Specify

③ - Package Dimensions
S - Specify

④ - Mounting Type
3 - M3 in Base
S - Specify