



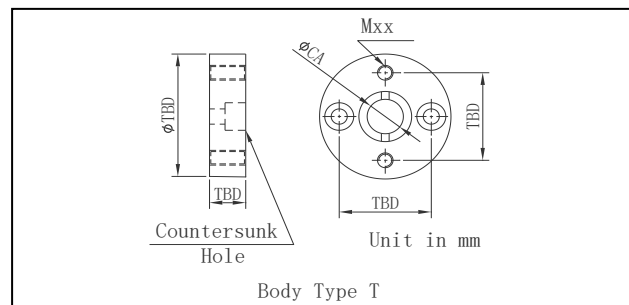
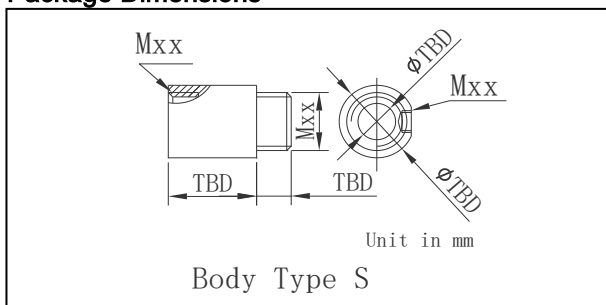
Free Space Polarization Rotator

I&Optics' free space polarization rotator can rotate the plane of input linear polarization beam by any specify angle. Differing from the non-reciprocity of Faraday Rotation, the polarization rotation is reversible. It features very high transmission ratio, large clear aperture, very low light deviation. It can be used in lasers, sensors, demonstration, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value
Nominal Center Wavelength	-	nm	633, 850, 980, 1060, 1310, 1550, 2000 or Specify
Wavelength Range	-	nm	+/-10 for 633/850nm, +/-15 for 980/1060nm, others +/-20
Min. Transmission Ratio	at Center Wavelength	%	96, Typ. 98
Max. Polarization Dependent Loss	-	dB	0.2, Typ. 0.1
Nominal Rotation Angle	at Center Wavelength	°	45, 90 or Specify
Max. Beam Deviation	between Input and Output	°	0.005
Min. Clear Aperture	-	mm	Dia. 2.8, 5.0, 10.0, 15.0, 20.0 or Specify
Max. Power Handling Rate	Continuous Wave	mW	1000 or Specify
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Package Dimensions



Dimensions depends on user's application and actual requirements. We are very pleased to do our best to provide customized package for optimizing. Detailed informations please contact us.

Ordering Informations

FSPR-①-②-③-④-⑤

① - Center Wavelength	② - Rotation Angle	④ - Interface Type on I/O Port	⑤ - Clear Aperture
63 - 633nm	45 - 45 Degrees	05 - M5 for Type S	2.8 - 2.8mm
85 - 850nm	90 - 90 Degrees	09 - M9 for Type S	5.0 - 5.0mm
98 - 980nm		13 - M13 for Type S	10 - 10.0mm
06 - 1060nm	③ - Power Rate	20 - M20 for Type S	15 - 15.0mm
31 - 1310nm	01 - 1W	32 - M32 for Type S	20 - 20.0mm
55 - 1550nm	05 - 5W	N - Package for Type T	
20 - 2000nm	10 - 10W		
SS - Specify	1H - 100W		