Free Space Faraday Rotator

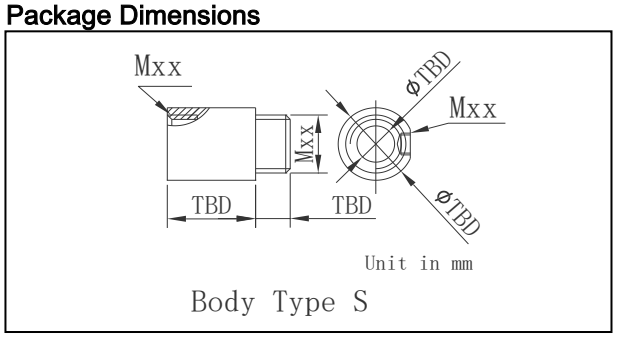
I&Optics' free space Faraday rotator can rotate the plane of input linear polarization beam by any speicified angle due to the famous Faraday Effect. It features very high transmission ratio, large clear aperture, very low light deviation. It can be used in lasers, sensors, demonstration, testing systems and R&D.

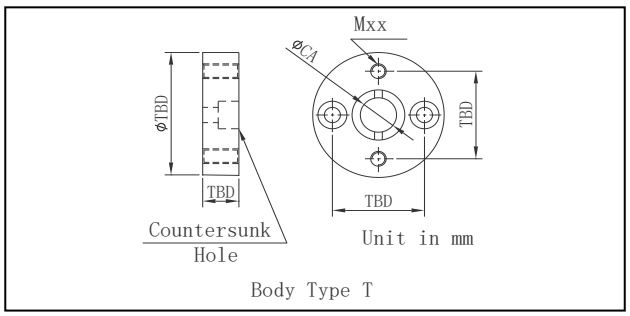
Specification

Parameter	Test Condition	Unit	Value
Nominal Center Wavelength	-	nm	633, 850 , 980 , 1060 , 1310 , 1550 , 2000 or Specify
Wavelength Range	-	nm	+/-10 for 405/633/850nm, others +/-15
Min. Transmission Ratio	at Center Wavelength	%	97, Typ. 98
Max. Beam Deviation Angle	-	º	0.02
Nominal Faraday Rotation	at 23℃ Center Wavelength	º	45 or Specify
Max. Rotation Angle Tolerance	at Center Wavelength	º	+/-1
Min. Clear Aperture	-	mm	Dia. 0.9, 1.2, 2.0, 2.8, 5.0 or Specify
Max. Power Handling Rate	Continuous Wave	W	0.3, 1, 5, 10 or Specify
Operating Temperature	-	℃	-5 to 70
Storage Temperature	-	℃	-40 to 85

Above values are for narrow band Faraday rotators. Broad band Faraday rotator pls contact us.

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

FSFR-①-②-③-④-⑤

① - Center Wavelength	② - Rotation Angle	④ - Interface Type on I/O Port	⑤ - Clear Aperture
63 - 633nm	Q - 45 degrees	5 - M5 for Type S	0.9 - 0.9mm
85 - 850nm	E - 22.5 degrees	9 - M9 for Type S	1.2 - 1.2mm
98 - 980nm		13 - M13 for Type S	2.0 - 2.0mm
06 - 1060nm	③ - Power Rate	20 - M20 for Type S	2.8 - 2.8mm
31 - 1310nm	0.3 - 0.3W	32 - M32 for Type S	5.0 - 5.0mm
55 - 1550nm	1 - 1W	N - Pacakge for Type T	
20 - 2000nm	5 - 5W		
SS - Specify	10 - 10W		