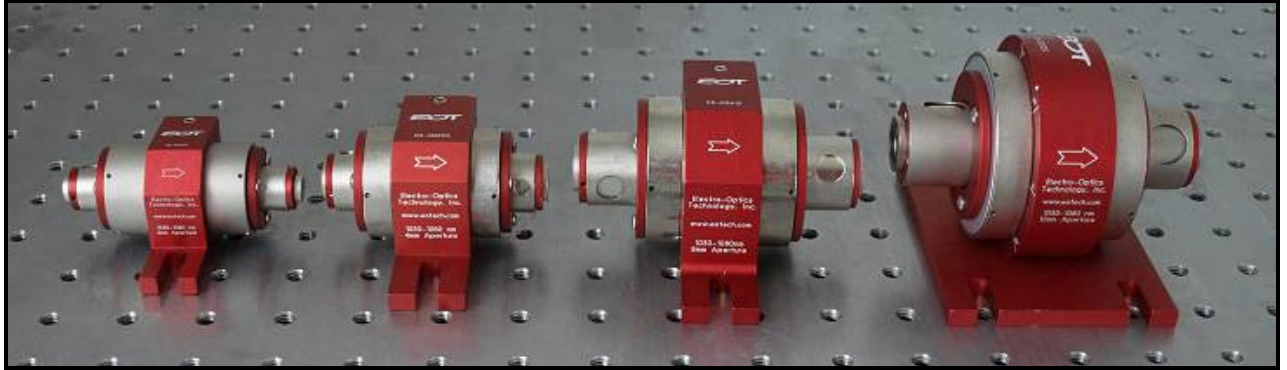




Electro-Optics Technology, Inc.

1030-1080nm High Power Free Space Faraday Rotators & Isolators



Applications:	Features:
<ul style="list-style-type: none"> Decouple laser oscillators from ASE created by amplifiers 	<ul style="list-style-type: none"> Device performance can be optimized for any wavelength between 1030 and 1080nm
<ul style="list-style-type: none"> Eliminate relaxation oscillations in mode-locked lasers due to optical feedback 	<ul style="list-style-type: none"> All isolators have double escape ports on both the input and output of the device
<ul style="list-style-type: none"> Eliminate frequency instability in seed sources due to optical feedback 	<ul style="list-style-type: none"> All isolators can be easily aligned for varying polarization states Optional $\lambda/2$ plate available for all devices

ISOLATORS						
Clear Aper. (mm)	Part No. (Model) ^a	Transmission @25°C (%)	Isolation @25°C (dB)	Rotation at Specified λ (°)	Optical Path (mm)/Rotating Medium	Pulsed Damage Threshold @ 10ns
2.0	110-10008-0001 (2I1055)	>92	>30	45±3	39 / TGG	5J/cm ²
4.0	110-10010-0001 (4I1055)	>92	>30	45±3	39 / TGG	5J/cm ²
8.0	110-10016-0001 (8I1055)	>92	>30	45±3	39 / TGG	5J/cm ²
12.0	110-10021-0001 (12I1055)	>92	>30	45±3	39 / TGG	5J/cm ²
15.0	110-10043-0001 (15I1055)	>92	>30	45±3	39 / TGG	5J/cm ²
20.0	110-10025-0001 (20I1055)	>92	>30	45±3	39 / TGG	5J/cm ²
25.0	110-10046-0001 (25I1055)	≥90	>30	45±3	57/Tb:glass	2J/cm ²
35.0	110-10140-0001 (35I1055)	≥90	>30	45±3	57/Tb:glass	2J/cm ²
45.0	110-10052-0001 (45I1055)	≥90	>30	45±3	57/Tb:glass	2J/cm ²
ROTATORS						
Clear Aper. (mm)	Part No. / Model ^a	Transmission @25°C (%)	Isolation at 25°C (dB) ^b	Rotation at Specified λ (°)	Optical Path (mm)/Rotating Medium	Pulsed Damage Threshold @ 10ns
2.0	110-10007-0001 (2R1055)	>98	>30	45±3	39 / TGG	5J/cm ²
4.0	110-10009-0001 (4R1055)	>98	>30	45±3	39 / TGG	5J/cm ²
8.0	110-10019-0001 (8R1055)	>98	>30	45±3	39 / TGG	5J/cm ²
12.0	110-10020-0001 (12R1055)	>98	>30	45±3	39 / TGG	5J/cm ²
15.0	110-10042-0001 (15R1055)	>98	>30	45±3	39 / TGG	5J/cm ²
20.0	110-10024-0001 (20R1055)	>98	>30	45±3	39 / TGG	5J/cm ²
25.0	110-10049-0001 (25R1055)	≥96	>30	45±3	57/Tb:glass	2J/cm ²
35.0	110-10050-0001 (35R1055)	≥96	>30	45±3	57/Tb:glass	2J/cm ²
45.0	110-10051-0001 (45R1055)	≥96	>30	45±3	57/Tb:glass	2J/cm ²
Notes:						
a. Product specifications and pricing subject to change without notice.						
b. When placed between crossed polarizers with extinction ratios of ≥1000:1.						

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