

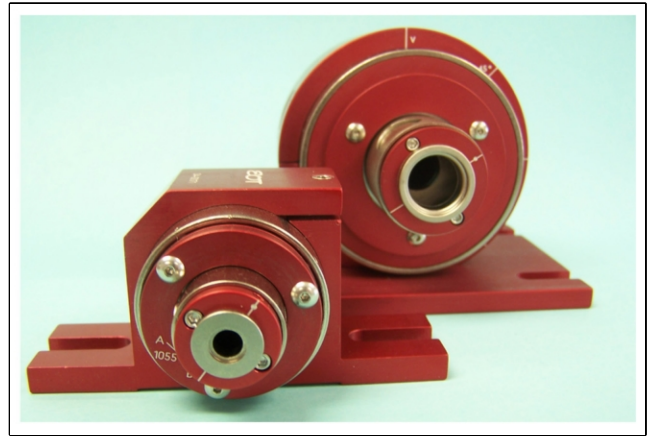
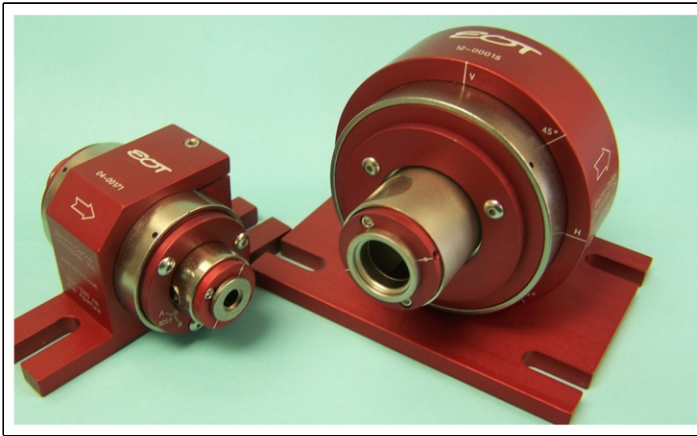
## 1030-1080nm High Power Free Space Faraday Rotators & Isolators

**Applications:**

- Decouple laser oscillators from ASE created by amplifiers
- Eliminate relaxation oscillations in mode-locked lasers due to optical feedback.
- Eliminate frequency instability in seed sources due to optical feedback

**Features:**

- Device performance can be optimized for any wavelength between 1030 and 1080nm
- All isolators have double escape ports on both the input and output of the device.
- All isolators can be easily aligned for varying polarization states
- Optional  $\lambda/2$  plate available for all devices



Model No. (see note for explanation)	Clear Aperture (mm)	Rotating Medium	Optical Pathlength of Rotating Medium	Rotation Angle at Specified Wavelength	Transmission With Polarizers @ 25°C	Isolation With Polarizers @ 25°C	Pulsed Damage Threshold @ 10ns
2XYYYY	2.0	TGG	39mm	45±3°	>92%	>30dB	5J/cm <sup>2</sup>
4XYYYY	4.0	“	“	“	“	“	“
8XYYYY	8.0	“	“	“	“	“	“
12XYYYY	12.0	“	“	“	“	“	“
15XYYYY	15.0	“	“	“	“	“	“
20XYYYY	20.0	“	“	“	“	“	“
25XYYYY	25.0	Tb:Glass	57mm	“	.90%	“	2J/cm <sup>2</sup>
35XYYYY	35.0	“	“	“	“	“	“
45XYYYY	45.0	“	“	“	“	“	“

**Model Number:** For X enter R for rotator or I for isolator. For YYYY enter desired wavelength

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