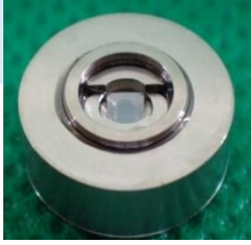
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Optical Isolator for High-Power Laser



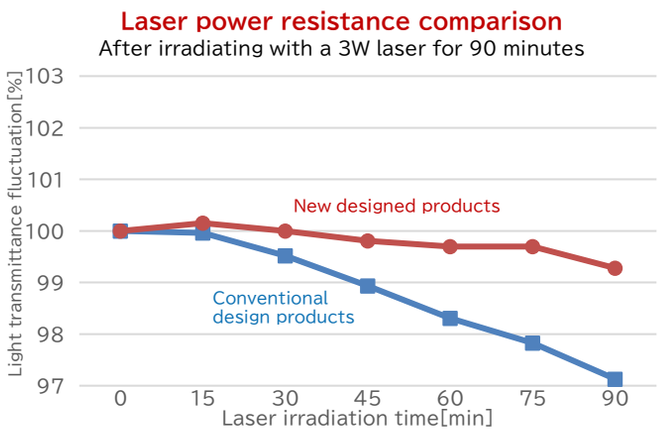
By employing a multi-stage low-absorption RIG film structure, we have significantly **improved power handling** compared to conventional models, **achieving both low insertion loss and high-power durability.**

Advantage

- ☑ Polarization-Independent Optical Isolator Using Low-Loss RIG (LLR)* Films
- ☑ Multi-layered RIG film design enhances power handling capability for high-output application
- ☑ Compact product size

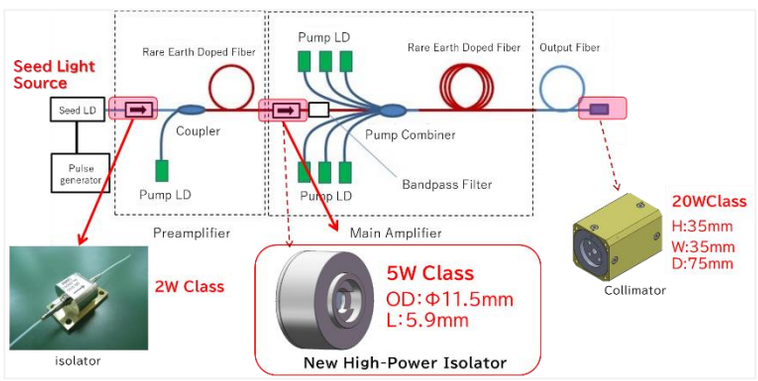
*LLR:Low Loss RIG
*RIG:Rare-earth Iron Garnet

Power Handling Performance Comparison



The new isolator showed lower and more stable variation in optical transmittance compared to conventional one.

Example Configuration of Fiber Laser

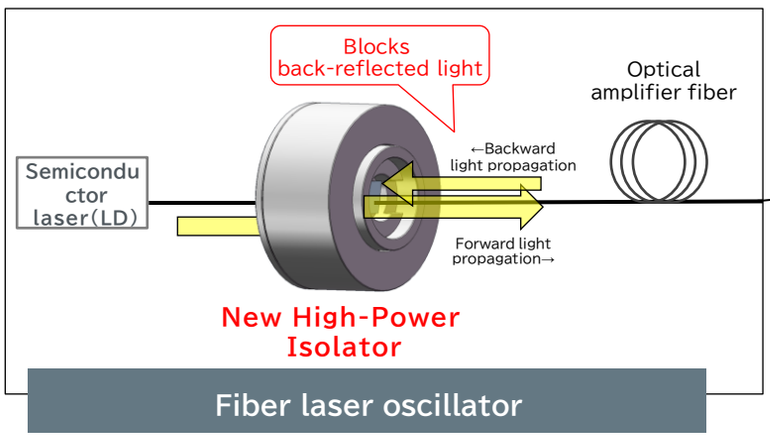


Example of Using the New High-Power Isolator in a Master Oscillator Power Amplifier

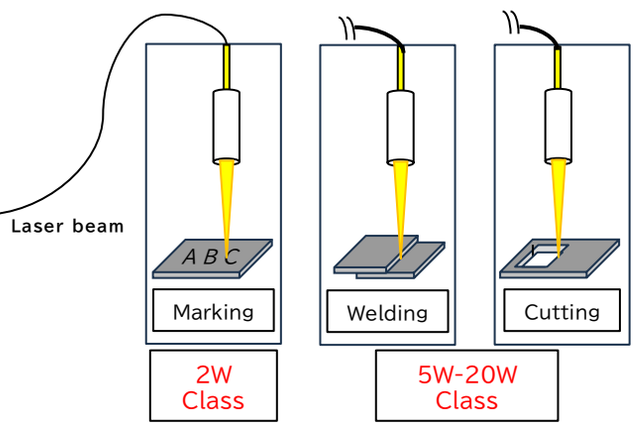
Application

Integration into fiber laser processing machine

Function: Blocks back-reflected light from the reverse direction



▸▸The output laser can mainly be applied to material processing such as marking, welding, and cutting.



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If you have any question about this product, please feel free to contact us.

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