



Chameleon OPO

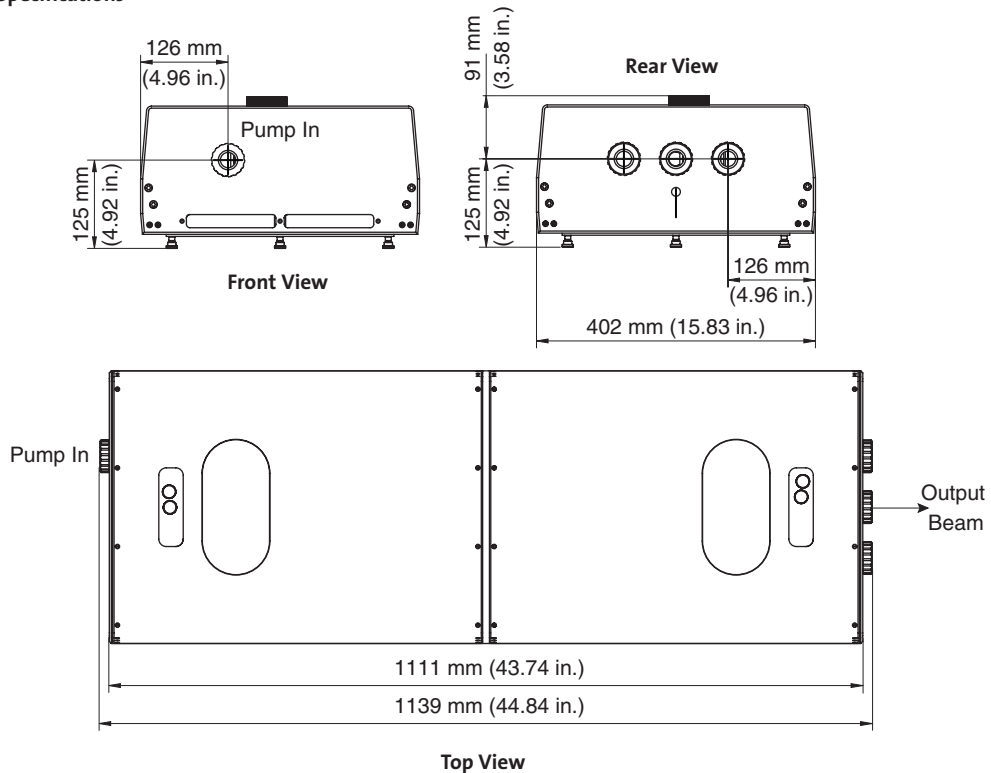
Automated Wavelength Extension for Chameleon Ti:Sapphire Lasers



Features

- Automated wavelength tuning
- Full tuning range without any change of optics
- Periodically-poled crystal technology for phase matching by design
- Gap-free overlap to the edge of the Chameleon Ultra II tuning range
- RS-232 interface for PC control
- Optimized for pumping with the Chameleon Ti:Sapphire family

Mechanical Specifications



Superior Reliability & Performance

Chameleon™ OPO

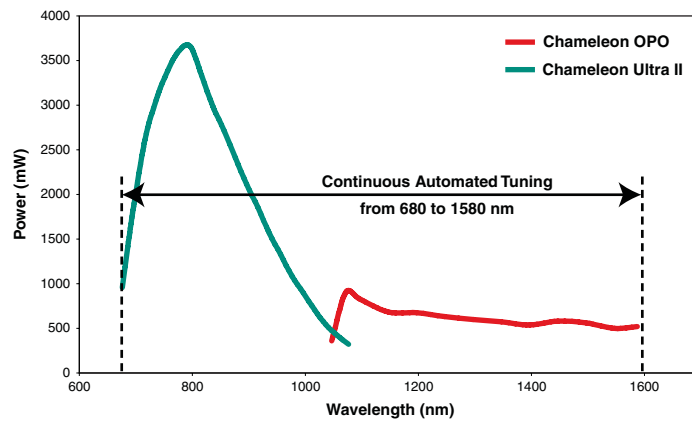
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System Specifications

| | |
|------------------------------|--|
| Tuning Range (nm) | 1050 to 1580 |
| Peak Power ¹ (mW) | >700 |
| Pulse Width (fs)(typ.) | 200 |
| Noise (%) | <0.5 |
| Beam Diameter (mm) | 2.2 |
| Beam Divergence (mrad) | 1.0 |
| Polarization | Horizontal, >100:1 |
| Repetition Rate (MHz) | 80 |
| Dimensions (L x W x H) | |
| Optical Unit | 402 x 1139 x 200 mm (15.83 x 44.84 x 7.87 in.) |
| Control Electronics | 290 x 185 x 280 mm (11.42 x 7.28 x 11.02 in.) |

¹ At peak of OPO tuning range.

Chameleon-Ultra II and Chameleon OPO Typical Tuning Curves



Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all Chameleon systems. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.



www.Coherent.com

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