



Chameleon Compact OPO

Automated Wavelength Extension for Chameleon Ti:Sapphire Lasers

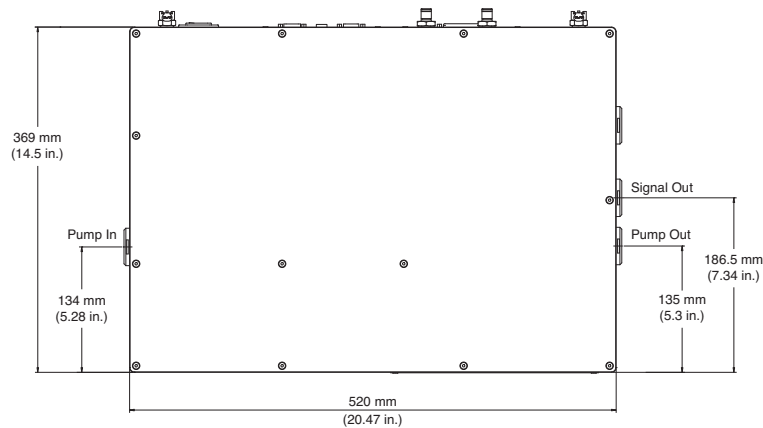


Features

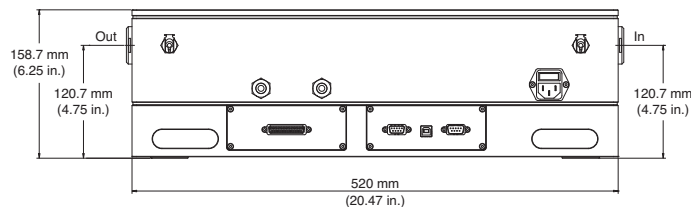
- Automated hands-free wavelength tuning
- Independent wavelength tuning of both laser and OPO
- Two output ports for Ti:Sapphire and OPO
- Fan poled OPO crystal for flexible pump wavelength tuning
- Full tuning range without change of optics or re-alignment
- Gap-free overlap with edge of Ultra II tuning range
- USB and RS-232 control
- Optimized for pumping with the Chameleon Ti:Sapphire family
- MRU for tuning across IR water absorption bands

Mechanical Specifications

Top View



Side View



Superior Reliability & Performance

Chameleon™ Compact OPO

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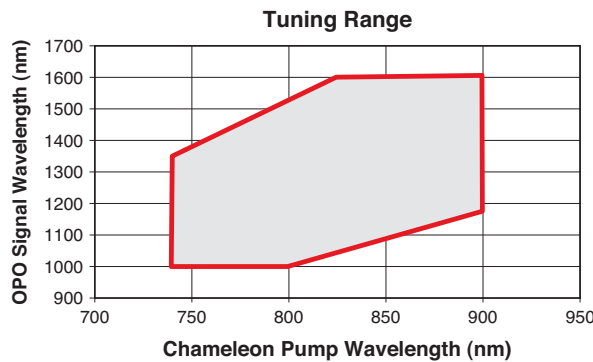
System Specifications

Tuning Range ¹ (nm)	1000 to 1600
Pump Wavelength Range ² (nm)	740 to >880
Output Power at 1100 nm ³ (mW)	>550
Pulse Width (fs)(typ.)	200
M ² (typ.)	1.1
Beam Diameter (mm)	2.0
Beam Divergence (mrad)(typ.)	0.5
Polarization	Horizontal
Repetition Rate (MHz)	80
Dimensions (L x W x H)	520 x 369 x 158 mm (in.)

- ¹ Tuning range depends on pump wavelength.
² Pump light is accessible through pump out port.
³ Pumping at peak of Ultra II tuning curve.

Chameleon Ultra II and Chameleon Compact OPO Tuning Range

Possible Chameleon and OPO
Wavelength Combinations are
in shaded area



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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