



AVIA Ultra 2000

Q-switched Ultraviolet Lasers

AVIA Ultra 355-2000

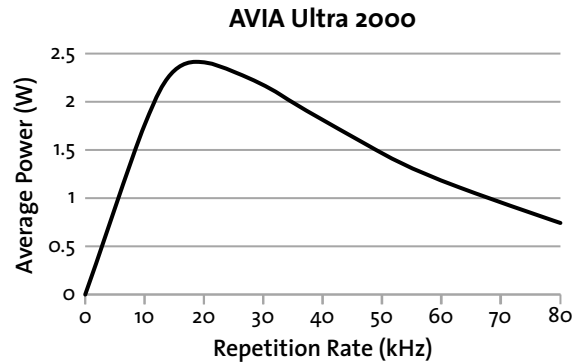
System Specifications		
Wavelength		355 nm
Pulse Repetition Rate		Single-shot to 100 kHz
Pulsewidth		<25 ns up to 30 kHz
Pulse-to-Pulse Stability		<5% rms up to 30 kHz
Average Output Power		>2W @ 20 kHz >1W @ 60 kHz
Polarization Ratio		>100:1 vertical
Warm-up Time		<10 minutes
Typical Performance		
Spatial Mode		TEM ₀₀ (M ² <1.3)
Beam Divergence		<0.5 mrad
Beam Diameter		2.2 mm ±10% @ 1/e ²

Specifications

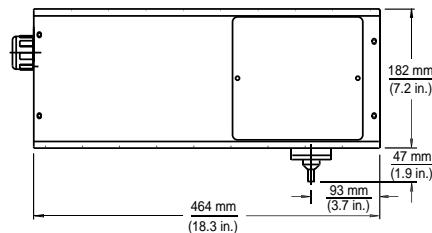
Utility and Environmental Requirements		
Operating Voltage		90 to 264 vac (autoranging)
Line Frequency		47-63 Hz
Power Consumption		500W maximum
Ambient Temperature Operating Range		10 to 30°C (air-cooled) and 10 to 35°C (water-cooled)
Dimensions of Laser Head (LxWxH)		464 x 182 x 118 mm (18.3 x 7.2 x 4.7 in.)
Weight of Laser Head and Umbilical		18 kg (40 lb)
Dimensions of Laser Power Supply (LxWxH)		451 x 435 x 178 mm (17.8 x 17.1 x 7.0 in.)
Weight of Laser Power Supply		26.8 kg (59 lb)
Umbilical Length		5 m (16.4 ft)

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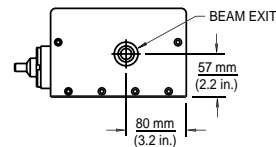
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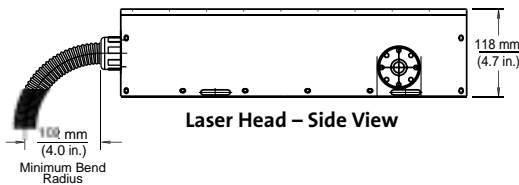
Laser Head – Top View



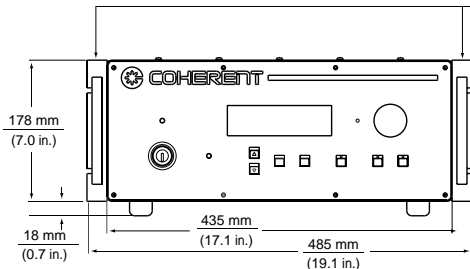
Laser Head – Front View



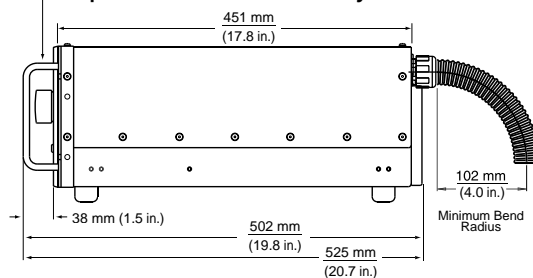
Laser Head – Side View



Power Supply – Front View



**Power Supply – Side View
Optional Rack Mount Accessory**



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

Coherent offers a limited warranty for all AVIA™ systems. For full details on warranty coverage, please refer to the Service and Support section at www.CoherentInc.com, or contact your local Sales or Service Representative.

