

100mW 349nm OBIS XT

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€40.660⁰⁰

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SPECIFICATIONS

General

<5

Warm-Up Time (minutes):

Coherent®

Manufacturer:

Diode Pumped Solid State

Type of Laser:

IIIb	Laser Class - CDRH:	
1371125	Model Number:	
Physical & Mechanical Properties		
125.0 x 70.0 x 36.5	Dimensions (mm):	
450	Weight (g):	
<5	Pointing Stability (μrad/°C):	
<30	Pointing Stability (μrad):	
Optical Properties		
100:1	Polarization:	
TEM ₀₀	Spatial Mode:	
348.80	Wavelength (nm):	
≤1.1	Mode Quality, M²:	
±0.05	Beam Diameter Tolerance (mm):	
0.7	Beam Diameter (mm):	
Full-Angle: <0.8	Beam Divergence (mrad):	
UV	Color:	
Electrical		
100	Output Power (mW):	
≤0.25% (20Hz to 20MHz)	RMS Noise:	
Hardware & Interface Connectivity		
Free Space	Output Type:	
Environmental & Durability Factors		
+10 to +35	Operating Temperature (°C):	
Regulatory Compliance		
View	Certificate of Conformance:	

PRODUCT DETAILS

- Compact, Thermally Efficient Design for Ease of Life Science System Integration
- 320, 349, and 640nm Wavelength Options Available
- Integrated Controller with RS-232, RS-485, and USB Interfaces

Coherent OBIS XT Laser Systems offer an advanced extension of the [OBIS LS/LX](#), delivering powerful performance across ultraviolet and visible wavelengths. These lasers are available in UV wavelengths of 320 and 349nm, with output power options ranging from 20 to 150mW, and a higher-power 640nm wavelength option with output powers of 400 or 500mW. Flexible communication interfaces, including RS-232, RS-485, and USB, allow for seamless integration and real-time control in complex applications. Coherent OBIS XT Laser Systems are designed to simplify system integration, utilizing their compact form factor, integrated controller, as well as a low thermal output. This reduces the need for external cooling and streamlines OEM and end-user implementation. OBIS XT lasers are ideal for a wide range of applications, including life sciences, biomedical, flow cytometry, DNA Sequencing, and fluorescence microscopy.