

500mW 640nm OBIS XT

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⊖ 1 ⊕ C\$28,266⁰⁰

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General

Warm-Up Time (minutes):
<5

Manufacturer:
Coherent®

Type of Laser:
Diode Pumped Solid State

Laser Class - CDRH:
IV

Model Number:
1443427

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:
639.50	Wavelength (nm):
≤1.1	Mode Quality, M²:
±0.05	Beam Diameter Tolerance (mm):
0.7	Beam Diameter (mm):
Full-Angle: <1.4	Beam Divergence (mrad):
Red	Color:
Electrical	
500	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.