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150mW 349nm OBIS XT

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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:
2258651

Physical & Mechanical Properties

Dimensions (mm):
125.0 x 70.0 x 36.5

Weight (g):
450

Pointing Stability (µrad/°C):
<5

Pointing Stability (µrad):
<30

Optical Properties

Polarization:
100:1

Spatial Mode:
TEM_{00}

Wavelength (nm):
348.80

Mode Quality, M^2:
≤1.1

Beam Diameter Tolerance (mm):
±0.05

Beam Diameter (mm):
0.7

Beam Divergence (mrad):
Full-Angle: <0.8

Color:
UV

Electrical

Output Power (mW):
150

RMS Noise:
≤0.25% (20Hz to 20MHz)

Hardware & Interface Connectivity

Output Type:
Free Space

Environmental & Durability Factors

Operating Temperature (°C):
+10 to +35

Regulatory Compliance

Certificate of Conformance:
View

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.

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