

# Coherent® OBIS™ FP 1193829 | 473nm LX 50mW Laser, Fiber Pigtail, FC

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Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems



Stock #12-361 [CONTACT US](#)

1 MRP ₹10,64,124

Price inclusive of all taxes

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**General**

Warm-Up Time (minutes):  
<5

Fiber Cable Type:  
3mm Mono-Coil

Manufacturer:  
Coherent®

|         |                            |
|---------|----------------------------|
| Diode   | <b>Type of Laser:</b>      |
| IIIb    | <b>Laser Class - CDRH:</b> |
| 1193829 | <b>Model Number:</b>       |

## Optical Properties

|                   |   |
|-------------------|---|
| 100:1             | <b>Polarization:</b>                                  |
| TEM <sub>00</sub> | <b>Spatial Mode:</b>                                  |
| 473.00 ±5         | <b>Wavelength (nm):</b>                               |
| ≤1.1              | <b>Mode Quality, M<sup>2</sup>:</b>                   |
| Blue              | <b>Color:</b>   |
| 0.05              | <b>Fiber Numerical Aperture NA (1/e<sup>2</sup>):</b> |

## Electrical

|                       |                                    |
|-----------------------|------------------------------------|
| 50                    | <b>Output Power (mW):</b>          |
| <2                    | <b>Power Stability (%):</b>        |
| Digital: 150          | <b>Modulation Frequency (MHz):</b> |
| Analog: 500           | <b>Modulation Frequency (kHz):</b> |
| ≤0.2% (20Hz to 20MHz) | <b>RMS Noise:</b>                  |

## Hardware & Interface Connectivity

|   |                           |
|---|---------------------------|
| Power Supply Required and Sold Separately.<br>USA: <a href="#">#87-473</a><br>Europe: <a href="#">#87-473</a><br>Japan: <a href="#">#87-473</a><br>Korea: <a href="#">#87-473</a><br>China: <a href="#">#87-473</a> | <b>Power Supply:</b>      |
| FC/APC; 8° angled   | <b>Output from Fiber:</b> |
| Fiber-Coupled   | <b>Output Type:</b>       |

## Environmental & Durability Factors

|          |                                    |
|----------|------------------------------------|
| 10 to 50 | <b>Operating Temperature (°C):</b> |
|----------|------------------------------------|

## Regulatory Compliance

|   |                                    |
|---|------------------------------------|
| <a href="#">View</a>  | <b>Certificate of Conformance:</b> |
| Singapore   | <b>Country of Origin:</b>          |
| Edmund Optics India Private Limited<br>267, Greystone Building, Second Floor,<br>6th Cross Rd, Binnamangala,<br>Stage 1, Indiranagar, Bengaluru,<br>Karnataka, India 560038<br>Phone: +91- 80-6845 0000 | <b>Imported By:</b>                |

## Product Details

- High Performance OBIS™ LX/LS Lasers with Added Fiber Optic Capability
- Permanent Fiber Attachment Extends Lifetime with Guaranteed Power
- Single-Mode Polarization-Maintaining Fiber with an FC/APC Connector Provide High-Quality and Low-Noise Laser Beam Output
- [Coherent® High Performance OBIS™ LX/LS Laser Systems](#) Also Available

Coherent® High Performance OBIS™ LX/LS Fiber-Pigtailed Laser Systems are plug-and-play lasers available in wavelengths from the ultraviolet to the near-infrared with an added fiber attachment. The fiber optic is permanently attached to the laser, providing an extended lifetime of the fiber and guaranteed power consistency. An FC/APC connector terminates the fiber to enable connections to other systems without concern for high noise interference. Coherent® High Performance OBIS™ LX/LS Fiber-Pigtailed Laser Systems produce high-quality, low-noise laser beams and also allow for hands-free operation. These fiber-pigtailed lasers are used in confocal microscopy, DNA sequencing, polymerase chain reaction (PCR) diagnostic instruments, flow cytometry, medical imaging, and instrumentation applications.

### OBIS Laser System Startup Guide

This downloadable PDF provides guidance on interfacing with OBIS controllers and power supplies, mounting and connecting the heatsink, and starting modulation.

[Download Startup Guide](#)

