

# Coherent® OBIS™ FP 1216049 | 488nm LS 15mW Laser, Fiber Pigtail, FC

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Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems



Stock **#88-030** **1 In Stock**

⊖ 1 ⊕ £6,496<sup>00</sup>

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## Product Downloads



## General

**Warm-Up Time (minutes):**  
<5

**Fiber Cable Type:**  
5mm Protective Tubing

**Manufacturer:**  
Coherent®

|                           |   |
|---------------------------|---|
| Diode                     | <b>Type of Laser:</b>                                 |
| IIIb                      | <b>Laser Class - CDRH:</b>                            |
| 1216049                   | <b>Model Number:</b>                                  |
| <b>Optical Properties</b> |   |
| 100:1                     | <b>Polarization:</b>                                  |
| TEM <sub>00</sub>         | <b>Spatial Mode:</b>                                  |
| 488.00 ±2                 | <b>Wavelength (nm):</b>                               |
| ≤1.1                      | <b>Mode Quality, M<sup>2</sup>:</b>                   |
| Blue                      | <b>Color:</b>   |
| 0.1                       | <b>Fiber Numerical Aperture NA (1/e<sup>2</sup>):</b> |

|                        |                                    |
|------------------------|------------------------------------|
| <b>Electrical</b>      |                                    |
| 15                     | <b>Output Power (mW):</b>          |
| <2                     | <b>Power Stability (%):</b>        |
| Digital: 0.05          | <b>Modulation Frequency (MHz):</b> |
| Analog: 500            | <b>Modulation Frequency (kHz):</b> |
| ≤0.25% (20Hz to 20MHz) | <b>RMS Noise:</b>                  |

|   |                           |
|---|---------------------------|
| <b>Hardware &amp; Interface Connectivity</b>  |                           |
| <b>Power Supply:</b><br>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> |                           |
| FC/APC; 8° angled   | <b>Output from Fiber:</b> |
| Fiber-Coupled   | <b>Output Type:</b>       |

|   |                                    |
|---|------------------------------------|
| <b>Environmental &amp; Durability Factors</b> |                                    |
| 10 to 50                                      | <b>Operating Temperature (°C):</b> |

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Regulatory Compliance</b> |                                    |
| <a href="#">Compliant</a>    | <b>RoHS 2015:</b>                  |
| <a href="#">View</a>         | <b>Certificate of Conformance:</b> |

## Product Details

A power supply is required for operation and sold separately. OBIS remote is required for CDRH certified systems. The OBIS heat sink is recommended.

- 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](#)