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# Coherent® OBIS™ FP 1216053 | 552nm LS 15mW Laser, Fiber Pigtail, FC

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Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems



Stock **#12-375** [CONTACT US](#)

-

1

+

**A\$13,024<sup>.00</sup>**

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## Product Downloads



| General                 |  |
|-------------------------|--|
| Warm-Up Time (minutes): |  |
| <5                      |  |
| Fiber Cable Type:       |  |
| 5mm Protective Tubing   |  |
| Manufacturer:           |  |
| Coherent®               |  |
| Type of Laser:          |  |

|                                                                                                                                                                                                                     |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Diode                                                                                                                                                                                                               |                                                  |
| IIIb                                                                                                                                                                                                                | Laser Class - CDRH:                              |
| 1216053                                                                                                                                                                                                             | Model Number:                                    |
| Optical Properties                                                                                                                                                                                                  |                                                  |
| 100:1                                                                                                                                                                                                               | Polarization:                                    |
| TEM <sub>00</sub>                                                                                                                                                                                                   | Spatial Mode:                                    |
| 552.00 ±2                                                                                                                                                                                                           | Wavelength (nm):                                 |
| ≤1.1                                                                                                                                                                                                                | Mode Quality, M <sup>2</sup> :                   |
| Green-Yellow                                                                                                                                                                                                        | Color:                                           |
| 0.1                                                                                                                                                                                                                 | Fiber Numerical Aperture NA (1/e <sup>2</sup> ): |
| Electrical                                                                                                                                                                                                          |                                                  |
| 15                                                                                                                                                                                                                  | Output Power (mW):                               |
| <2                                                                                                                                                                                                                  | Power Stability (%):                             |
| Digital: 0.05                                                                                                                                                                                                       | Modulation Frequency (MHz):                      |
| Analog: 100                                                                                                                                                                                                         | Modulation Frequency (kHz):                      |
| ≤0.25% (20Hz to 20MHz)                                                                                                                                                                                              | RMS Noise:                                       |
| 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> | Power Supply:                                    |
| FC/APC; 8° angled                                                                                                                                                                                                   | Output from Fiber:                               |
| Fiber-Coupled                                                                                                                                                                                                       | Output Type:                                     |
| Environmental & Durability Factors                                                                                                                                                                                  |                                                  |
| 15 to 40                                                                                                                                                                                                            | Operating Temperature (°C):                      |
| Regulatory Compliance                                                                                                                                                                                               |                                                  |
| <a href="#">Exempt</a>                                                                                                                                                                                              | RoHS 2015:                                       |
| <a href="#">Contains SVHC(s)</a>                                                                                                                                                                                    | Reach 224:                                       |
| <a href="#">View</a>                                                                                                                                                                                                | Certificate of Conformance:                      |

## 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