

# Coherent® OBIS™ FP 1230945 | 552nm LS 80mW Laser, Fiber Pigtail, FC

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Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems



Stock #12-378 [CONTACT US](#)

⊖ 1 ⊕ €12.620<sup>00</sup>

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Qty 1+	€12.620,00 each
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## Product Downloads



## General

Warm-Up Time (minutes):  
<5

Fiber Cable Type:  
5mm Protective Tubing

Manufacturer:  
Coherent®

Diode	Type of Laser:
IIIb	Laser Class - CDRH:
1230945	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:
0.06	Fiber Numerical Aperture NA (1/e <sup>2</sup> ):

## Electrical

80	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. USA: <a href="#">#87-473</a> Europe: <a href="#">#87-473</a> Japan: <a href="#">#87-473</a> Korea: <a href="#">#87-473</a> 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):
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## 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](#)

