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Coherent® OBIS™ FP 1230949 | 561nm LS 80mW Laser, Fiber Pigtail, FC

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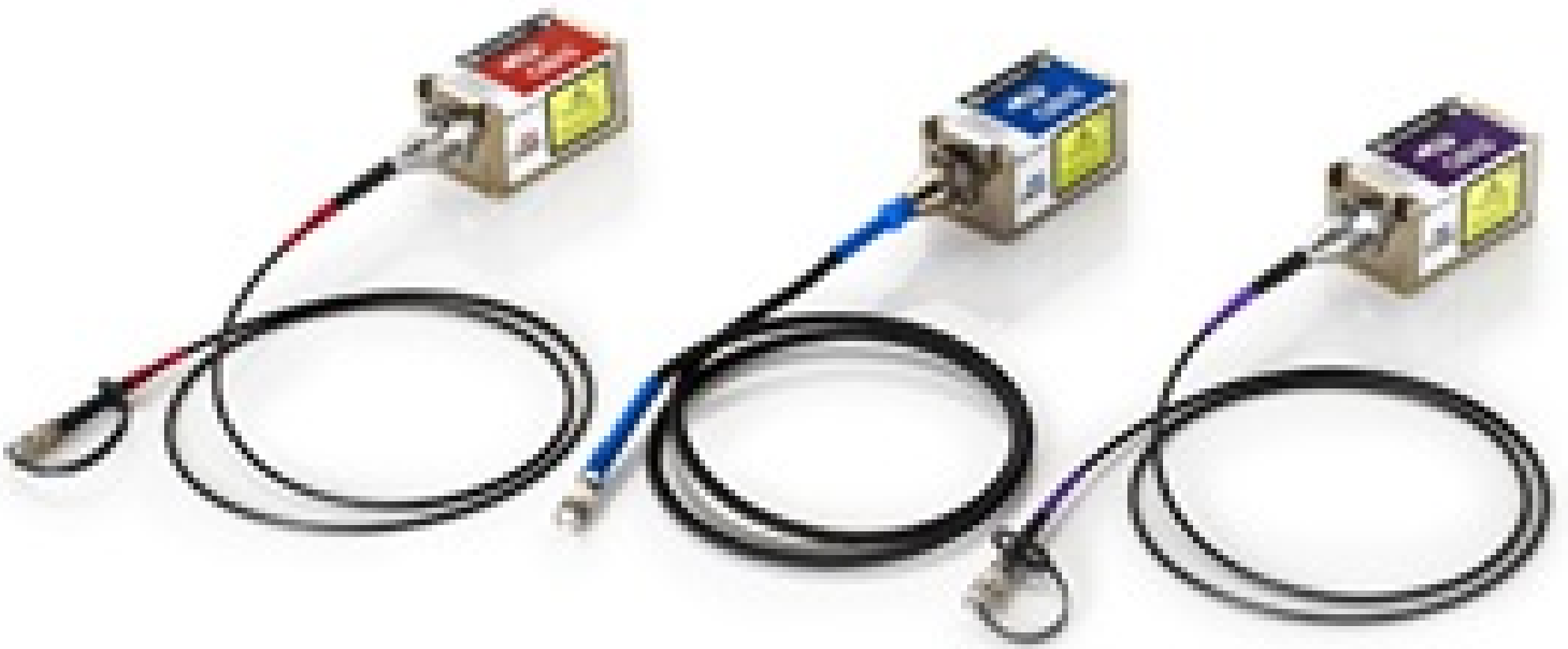

Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems

+1

Stock **#12-382** CONTACT US

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Volume Pricing	
Qty 1+	**A$20,192.00** each
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Product Downloads

General

Warm-Up Time (minutes):
<5

Fiber Cable Type:
5mm Protective Tubing

Manufacturer:
Coherent®

Type of Laser:

Diode

Laser Class - CDRH:
IIIb

Model Number:
1230949

Optical Properties

Polarization:
100:1

Spatial Mode:
TEM_{00}

Wavelength (nm):
561.00 ±2

Mode Quality, M^2:
≤1.1

Color:
Yellow

Fiber Numerical Aperture NA ($1/e^2$):
0.06

Electrical

Output Power (mW):
80

Power Stability (%):
<2

Modulation Frequency (MHz):
Digital: 0.05

Modulation Frequency (kHz):
Analog: 100

RMS Noise:
≤0.25% (20Hz to 20MHz)

Hardware & Interface Connectivity

Power Supply:
Power Supply Required and Sold Separately:
USA: **#87-473**
Europe: **#87-473**
Japan: **#87-473**
Korea: **#87-473**
China: **#87-473**

Output from Fiber:
FC/APC; 8° angled

Output Type:
Fiber-Coupled

Environmental & Durability Factors

Operating Temperature (°C):
15 to 40

Regulatory Compliance

RoHS 2015:
Exempt

Reach 224:
Contains SVHC(s)

Certificate of Conformance:
View

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

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