

Coherent® OBIS™ FP 1193837 | 637nm LX 100mW Laser, Fiber Pigtail, FC

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Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems



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1

+

C\$6,727⁰⁰

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SPECIFICATIONS

General

Warm-Up Time (minutes):
<5

Fiber Cable Type:

3mm Mono-Coil	
Coherent®	Manufacturer:
Diode	Type of Laser:
IIIb	Laser Class - CDRH:
1193837	Model Number:
Optical Properties	
100:1	Polarization:
TEM ₀₀	Spatial Mode:
637.00 ±5	Wavelength (nm):
≤1.1	Mode Quality, M ² :
Red	Color:
0.09	Fiber Numerical Aperture NA (1/e ²):
Electrical	
100	Output Power (mW):
<2	Power Stability (%):
Digital: 150	Modulation Frequency (MHz):
Analog: 300	Modulation Frequency (kHz):
≤0.2% (20Hz to 20MHz)	RMS Noise:
Hardware & Interface Connectivity	
Power Supply Required and Sold Separately. USA: #87-473 Europe: #87-473 Japan: #87-473 Korea: #87-473 China: #87-473	Power Supply:
FC/APC; 8° angled	Output from Fiber:
Fiber-Coupled	Output Type:
Environmental & Durability Factors	
10 to 40	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:

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.