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Coherent® OBIS™ LX SF 2278533 | 785nm LX SF 40mW, Fiber-Pigtailed, Single Frequency Laser

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Coherent® OBIS™ Fiber-Pigtailed, Single Frequency Laser

Stock #26-478 **1 In Stock**

⊖ 1 ⊕ €5.780⁰⁰

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Qty 1+	€5.780,00 each
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General

Warm-Up Time (minutes):
<5

Fiber Cable Type:
3mm Mono-Coil, FC/APC 8° angled

Type of Laser:
Diode

IIIb **Laser Class - CDRH:**

2278533 **Model Number:**

Physical & Mechanical Properties

<5 **Pointing Stability after Warm Up (mrad/°C):**

4.5 **Core Diameter (µm):**

<30 **Pointing Stability (µrad):**

Optical Properties

100:1 (minimum) **Polarization:**

TEM₀₀ **Spatial Mode:**

785.00 **Wavelength (nm):**

≤1.1 **Mode Quality, M²:**

50 **Spectral Line Width (MHz):**

IR **Color:**

0.7 **Spectral Line Width (pm):**

0.12 **Fiber Numerical Aperture NA (1/e²):**

Electrical

40 **Output Power (mW):**

<1 **Power Stability (%):**

≤0.05 **RMS Noise:**

<0.5% **Peak-to-Peak Noise:**

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](#)

Fiber Pigtailed **Output Type:**

Environmental & Durability Factors

+10 to +50 **Operating Temperature (°C):**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Product Details

- Single Frequency, Collimated, TEM₀₀ Output Beam
- Excellent Signal-to-Noise Ratio
- Compatible With All OBIS LX/LS Power Supplies, Software, and Accessories

Coherent® Single Frequency OBIS™ LX Laser Systems incorporate Coherent's SureLock™ volume holographic grating (VHG) stabilized laser diodes to deliver consistent, single frequency performance in the same form factor as all other [OBIS LX/LS platforms](#). Available in 405, 633, and 660nm, these laser systems excel in application spaces requiring very low RMS signal-to-noise of less than 0.05%. An excellent alternative to stabilized HeNe lasers, each laser is stabilized using Coherent's PowerLocker® volume holographic grating ensuring precise and stable center wavelengths, low temperature dependence, and consistent optical performance. Coherent® Single Frequency OBIS™ LX Laser Systems are ideal for applications such as confocal microscopy, DNA sequencing, flow cytometry, and interferometry and are compatible with all other OBIS LX/LS power supplies, accessories, and software.

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](#)

