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# Coherent® OBIS™ LX SF 2278596 | 405nm LX SF 20mW, Fiber-Pigtailed, Single Frequency Laser

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Coherent® OBIS™ Fiber-Pigtailed, Single Frequency Laser

Stock #26-481 **1 In Stock**

1  €8.990<sup>00</sup>

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## Product Downloads



## General

**Warm-Up Time (minutes):**  
<5

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

**Type of Laser:**  
Diode

IIIb	<b>Laser Class - CDRH:</b>
2278596	<b>Model Number:</b>
<b>Physical &amp; Mechanical Properties</b>	
<5	<b>Pointing Stability after Warm Up (mrad/°C):</b>
3.5	<b>Core Diameter (µm):</b>
<30	<b>Pointing Stability (µrad):</b>
<b>Optical Properties</b>	
100:1 (minimum)	<b>Polarization:</b>
TEM <sub>00</sub>	<b>Spatial Mode:</b>
405.00	<b>Wavelength (nm):</b>
≤1.1	<b>Mode Quality, M<sup>2</sup>:</b>
160	<b>Spectral Line Width (MHz):</b>
Violet	<b>Color:</b>
0.4	<b>Spectral Line Width (pm):</b>
0.05	<b>Fiber Numerical Aperture NA (1/e<sup>2</sup>):</b>
<b>Electrical</b>	
20	<b>Output Power (mW):</b>
<1	<b>Power Stability (%):</b>
≤0.05	<b>RMS Noise:</b>
<0.5%	<b>Peak-to-Peak Noise:</b>
<b>Hardware &amp; Interface Connectivity</b>	
<b>Power Supply:</b> 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>	
Fiber Pigtailed	<b>Output Type:</b>
<b>Environmental &amp; Durability Factors</b>	
+10 to +50	<b>Operating Temperature (°C):</b>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- Single Frequency, Collimated, TEM<sub>00</sub> 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](#)

