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# Coherent® OBIS™ LX SF 2285213 | 660nm LX SF 25mW, Fiber-Pigtailed, Single Frequency Laser

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Coherent® OBIS™ Fiber-Pigtailed, Single Frequency Laser

Stock **#26-479** **1 In Stock**

-

1

+

€6.420<sup>00</sup>

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| Qty 1+         | €6.420,00 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:                              |
|                                                                                                                                                                                                                                      |                                                  |
| 2285213                                                                                                                                                                                                                              | 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:                                    |
| TEM <sub>00</sub>                                                                                                                                                                                                                    | Spatial Mode:                                    |
| 660.00                                                                                                                                                                                                                               | Wavelength (nm):                                 |
| ≤1.1                                                                                                                                                                                                                                 | Mode Quality, M <sup>2</sup> :                   |
| 300                                                                                                                                                                                                                                  | Spectral Line Width (MHz):                       |
| Red                                                                                                                                                                                                                                  | Color:                                           |
| 1.5                                                                                                                                                                                                                                  | Spectral Line Width (pm):                        |
| 0.09                                                                                                                                                                                                                                 | Fiber Numerical Aperture NA (1/e <sup>2</sup> ): |
| Electrical                                                                                                                                                                                                                           |                                                  |
| 25                                                                                                                                                                                                                                   | Output Power (mW):                               |
| <1                                                                                                                                                                                                                                   | Power Stability (%):                             |
| ≤0.05                                                                                                                                                                                                                                | RMS Noise:                                       |
| <0.5%                                                                                                                                                                                                                                | Peak-to-Peak Noise:                              |
| Hardware & Interface Connectivity                                                                                                                                                                                                    |                                                  |
| Power Supply:<br>Power Supply Required and Sold Separately.<br>USA: <a href="#">#87-473</a><br>Europe: <a href="#">#87-473</a><br>Japan: <a href="#">#87-473</a><br>Korea: <a href="#">#87-473</a><br>China: <a href="#">#87-473</a> |                                                  |
| Fiber Pigtailed                                                                                                                                                                                                                      | Output Type:                                     |
| Environmental & Durability Factors                                                                                                                                                                                                   |                                                  |
| +10 to +50                                                                                                                                                                                                                           | Operating Temperature (°C):                      |
| Regulatory Compliance                                                                                                                                                                                                                |                                                  |
| <a href="#">View</a>                                                                                                                                                                                                                 | Certificate of Conformance:                      |

## 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™ LXLaser 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, DNAsequencing, 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

