

830nm SureLock Narrow Linewidth MM Fiber Coupled Laser

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Coherent® Surelock™ Mini-Benchtop Laser Systems



Stock #70-756 **1 In Stock**

⊖ 1 ⊕ €6.090⁰⁰

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General

Recommended Fiber Patchcord: [#23-706](#) **Note:**

IV **Laser Class - CDRH:**

Physical & Mechanical Properties

150 x 150 x 50 **Dimensions (mm):**

1.00 **Weight (kg):**

Optical Properties

0.22 **Numerical Aperture NA:**

0.07 **Spectral Line Width (nm):**

830.00 ±0.5 **Center Wavelength CWL (µm):**

Electrical

500 **Output Power (mW):**

1.00 **Input Current (A):**

Hardware & Interface Connectivity

FC/PC **Connector:**

90 - 240 (AC) **Input Voltage (V):**

Environmental & Durability Factors

+10 to +35 **Operating Temperature (°C):**

-10 to +60 **Storage Temperature (°C):**

Regulatory Compliance

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

Product Details

- Narrow 0.07nm FWHM Spectral Linewidth
- Extreme Temperature Insensitivity
- Ultra-Compact, Easy-to-Use Turnkey Laser System

Coherent® Surelock™ Mini-Benchtop Laser Systems provide temperature stabilized, narrow 0.07nm FWHM spectral linewidth laser output with powers up to <500mW. Featuring integrated current and temperature control, these lasers provide better than 1% power stability, <1 minute warm-up time, and extreme temperature insensitivity for consistent performance over the locked region. A convenient LCD touchscreen display allows for easy setup, output power adjustment, and integration into new and existing lab and OEM systems. Coherent® Surelock™ Mini-Benchtop Laser Systems are ideal for a range of precision applications including Raman Spectroscopy, Metrology, Bio-Instrumentation, Sensing, and Analytical Instrumentation. These lasers can be operated standalone or with a computer using the built in USB port which allows for a wide range of programming languages via serial commands.