

# 1064nm SureLock Narrow Linewidth MM Fiber Coupled Laser

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Coherent® Surelock™ Mini-Benchtop Laser Systems



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⊖ 1 ⊕ £5,136<sup>00</sup>

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## Product Downloads

## 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):**

1,064.00 ±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.