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# Coherent® StingRay™ Line Generator 1231500 | 640nm, 5mW, 45° Fan Angle

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Stock #86-858 [CONTACT US](#)

- 1 + €689<sup>00</sup>

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### Volume Pricing

Qty 1+	€689,00 each
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**!** Prices shown are exclusive of VAT/local taxes

**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads



### General

Coherent® **Manufacturer:**  
Diode **Type of Laser:**

**Laser Class - CDRH:**

1231500 **Model Number:**

## Physical & Mechanical Properties

<10 **Pointing Stability ( $\mu\text{rad}/^\circ\text{C}$ ):**

97.80 **Length (mm):**

## Optical Properties

TEM<sub>00</sub> **Spatial Mode:**

640.00 **Wavelength (nm):**

<1.5 **Mode Quality, M<sup>2</sup>:**

±6 **Wavelength Tolerance (nm):**

Red **Color:**

45.00 **Fan Angle (°):**

## Electrical

5 **Output Power (mW):**

Max Analog: 500 **Modulation Frequency (kHz):**

## Hardware & Interface Connectivity

**Power Supply:**  
Power Supply Required and Sold Separately.  
USA: [#86-878](#)  
Europe: [#86-878](#)  
Japan: [#86-878](#)  
Korea: [#86-878](#)  
China: [#86-878](#)

Hirose HR-10P-12S **Electrical Leads/ Pin Connections:**

Free Space **Output Type:**

5 - 24 DC **Input Voltage (V):**

## Environmental & Durability Factors

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

-20 to +60 **Storage Temperature (°C):**

## Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[Contains SVHC\(s\)](#) **Reach 224:**

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

## Product Details

- External Focus with up to 100mW Output Power
- Auto Scaling Input Power 5 - 24VDC with Reverse Polarity Protection
- Built-In Microcontroller for Fault Monitor
- [Coherent® StingRay™ Developer's Kit](#) also available

Coherent® StingRay™ and BioRay™ Laser Diode Modules are ideal for a variety of alignment, machine vision, and biomedical applications. They are available in a wide range of output powers, wavelengths, and fan angles. High precision optical components and sophisticated drive electronics provide power and control to your application, reducing signal-to-noise ratios and increasing measurement speed. Coherent® StingRay™ and BioRay™ Laser Diode Modules are designed with a flat top power distribution across the beam profile for consistency in line projection widths.

**Note:** For CDRH certified systems (Class IIIb), [#86-878](#) Laser Controller and additional external voltage source (0.5□5V) with BNC connector is required.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more

- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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