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Coherent® StingRay™ Line Generator 1231505 | 655nm, 5mW, 30° Fan Angle

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Stock #86-863 **1 In Stock**

⊖ 1 ⊕ ₹56,700

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

Product Downloads



General

Coherent® **Manufacturer:**

Diode **Type of Laser:**

II **Laser Class - CDRH:**

1231505

Model Number:

Physical & Mechanical Properties

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

97.80 **Length (mm):**

Optical Properties

TEM₀₀ **Spatial Mode:**

655.00 **Wavelength (nm):**

<1.5 **Mode Quality, M²:**

+10/-5 **Wavelength Tolerance (nm):**

Red **Color:**

30.00 **Fan Angle ($^\circ$):**

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](#)

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

Free Space **Output Type:**

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

Environmental & Durability Factors

-10 to +50 **Operating Temperature ($^\circ\text{C}$):**

-20 to +60 **Storage Temperature ($^\circ\text{C}$):**

Regulatory Compliance

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

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

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

Singapore **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

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](#).

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.
