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Coherent® StingRay™ Laser Diode Module 1253669 | 640nm, 10mW

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1

+

A\$843⁰⁰

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

Product Downloads



General	
Coherent®	Manufacturer:
Diode	Type of Laser:
IIIb	Laser Class - CDRH:

1253669	Model Number:
Physical & Mechanical Properties	
<10	Pointing Stability (μrad/°C):
95.10	Length (mm):
Optical Properties	
TEM ₀₀	Spatial Mode:
640.00	Wavelength (nm):
<1.5	Mode Quality, M ² :
±6	Wavelength Tolerance (nm):
Red	Color:
Electrical	
10	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 (°C):
-20 to +60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:
Contains SVHC(s)	Reach 224:
View	Certificate of Conformance:

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

For CDRH certified systems, class IIIb lasers require [#86-878](#). These lasers include a Hirose connector and flying lead terminals for compatibility with a variety of power supplies.

- 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.

