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## Laser USB 830nm 20mW



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### Product Downloads

### General

III B Laser Class - CDRH:

### Physical & Mechanical Properties

19 Housing Diameter (mm):

90.00 Length (mm):

### Optical Properties

830.00	<b>Wavelength (nm):</b>
±10	<b>Wavelength Tolerance (nm):</b>
4.5	<b>Beam Diameter (mm):</b>
Adjustable	<b>Beam Divergence (mrad):</b>
IR	<b>Color:</b>

## Electrical

20	<b>Output Power (mW):</b>
0.1 - 50	<b>Modulation Frequency (kHz):</b>

## Hardware & Interface Connectivity

5	<b>Operating Voltage (V):</b>
USB 5V±0.5V 1A	<b>Power Supply:</b>

## Environmental & Durability Factors

10 - 35	<b>Operating Temperature (°C):</b>
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## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 233:</b>

## Product Details

- USB Powered and Controllable via Computer
- Software Allows for Modulation and Output Power Control
- Available in Wavelengths From 405nm to 940nm

USB Powered Alignment Laser Diode Modules can be easily connected, configured, and powered by common USB hardware. No external power supply is required, and when disconnected from the computer, these lasers will retain their settings (such as modulation and output power) allowing for flexibility in system design and layout. These lasers can also be plugged into a 5V USB power adapter for simple on/off functionality when more detailed control is unnecessary. USB Powered Alignment Laser Diode Modules' software provides simple user adjustment of output power and modulation of the laser beam. A variety of laser diode wavelengths are available, ranging from VIS to IR. These laser diodes are ideal for space constrained alignment applications.