

5mW, 450nm Blue Alignment Laser Diode Module



Violet Alignment Laser Diode

Stock #19-464 **1 In Stock**

MRP ₹31,117

Price inclusive of all taxes

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Volume Pricing

Qty 1-9	₹31,117 each
Qty 10+	₹28,005 each
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General

IIIb **Laser Class - CDRH:**

Physical & Mechanical Properties

36.00 **Length (mm):**

Optical Properties

Wavelength (nm):

450.00

Wavelength Tolerance (nm):

±5

Beam Diameter (mm):

3.5 typical

Beam Divergence (mrad):

<1.0

Color:

Blue

Electrical

Output Power (mW):

5

Modulation Frequency (kHz):

0 - 10

Hardware & Interface Connectivity

Operating Voltage (V):

5

Power Supply:

Power Supply Required and Sold Separately.

USA: [#73-818](#)

Europe: [#73-818](#)

Japan: [#13-640](#)

Korea: [#33-770](#)

China: [#73-818](#)

Environmental & Durability Factors

Operating Temperature (°C):

-10 to 50

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 233:

[Compliant](#)

Country of Origin:

China

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- TTL Modulation up to 10kHz
- Circular and Elliptical Beam Profiles
- Focus Adjustable

Violet and Blue Alignment Laser Diodes are ideal for alignment and sensing applications. Available with output power options ranging from 1 to 100mW, these lasers are commonly integrated into visual-based systems or monochromatic vision systems. Because monochromatic vision systems are typically illuminated with green or red lights, a 405 or 450nm alignment laser can be easily filtered out without affecting the system's illumination. These lasers feature simple operation due to the integrated optics and electronics and are easily powered via a 5VDC source. Violet and Blue Alignment Laser Diodes feature an external focusing mechanism and accept interchangeable projection heads.

Note: Power supply and mounting bracket sold separately.