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## 25mW, 405nm Violet Alignment Laser Diode Module



Violet Alignment Laser Diode

Stock **#19-461** **1 In Stock**

MRP ₹42,799

**Price inclusive of all taxes**

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### Volume Pricing

|            |                               |
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| Qty 1-9    | ₹42,799 each                  |
| Qty 10+    | ₹38,519 each                  |
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### Product Downloads



### General

**Laser Class - CDRH:**  
 IIIb

### Physical & Mechanical Properties

**Length (mm):**  
 36.00

### Optical Properties

405.00 **Wavelength (nm):**

±5 **Wavelength Tolerance (nm):**

3.5 typical **Beam Diameter (mm):**

<0.5 **Beam Divergence (mrad):**

Violet **Color:**

## Electrical

25 **Output Power (mW):**

0 - 10 **Modulation Frequency (kHz):**

## Hardware & Interface Connectivity

5 **Operating Voltage (V):**

**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

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

## Regulatory Compliance

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

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

[Compliant](#) **Reach 233:**

China **Country of Origin:**

**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.