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1mW, 450nm Blue Alignment Laser Diode

Violet Alignment Laser Diode

Stock **#19-463** **2 In Stock**

- 1 +

£212.00

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Volume Pricing	
Qty 1-9	**£212.00** each
Qty 10+	**£190.80** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Class - CDRH:
IIIa

Physical & Mechanical Properties

Length (mm):
36.00

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):
1

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

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.

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