

Comoro Blue Laser Diode Module



Article Overview

The Comoro Blue Laser Diode Module is a compact, high-performance blue laser system, typically operating at 445–488 nm with excellent beam quality, low noise, and versatile connectivity for industrial, biomedical, and scientific applications.

Key Specifications

- Wavelengths: Commonly available at 445 nm, 473 nm, and 488 nm, covering the blue spectrum for high-resolution applications .
- Beam Quality: TEM00 mode ensures a clean, Gaussian beam profile, ideal for precise focusing and minimal divergence .
- Power Stability: Modules maintain exceptional optical power stability, often better than 0.5% over 24 hours .
- Noise Levels: Designed for ultra-low noise operation, making them suitable for sensitive measurements and imaging .
- Connectivity: Can be powered via 12V DC and controlled through RS-232, USB, or mini-USB interfaces, with GUI support for modulation and system integration .
- Modulation: Supports both analog and digital modulation, allowing flexible control for research or industrial processes .
- Durability: Patented sealed optical cavity protects optics from electronic contaminants, with life expectancy exceeding 50,000 hours .

Applications

- Biomedical & Medical: Fluorescence imaging, confocal microscopy, and bio-spectroscopy

Article Content

Amazon : Blue Laser Diode

445nm 450nm Blue Line Module Generator Projector Diode for Positioning Laser Alignment Locator for Wood Stone Fabric Cutting

Laser Diode Colors

We offer a wide range of laser diodes from high-quality manufacturers. IR laser diodes, red laser diodes, green laser diodes, blue

Amazon : Blue Laser Module

Amazon : blue laser module Check each product page for other buying options. Price and other details may vary based on

Compact Blue Laser Diode Modules

All of our laser modules are designed for compactness, ease of use, and integration into your system. Many of our laser modules can

LD | NICHIA CORPORATION

World-leading Laser Diodes Nichia's laser diodes deliver world-class quality and optical output power. With stable emission

Laser Diode Modules | CW & LD Modules | UV-LWIR | Shop RPMC

Our CW laser diode (LD) modules include the laser diode with the thermal management and electrical interface in a simple and easy

445-495nm Blue Laser Module

Laserland provide 450nm 462nm 473nm blue diode laser module with dot/spot/point, line and cross-hair generator lens, and the

CW Blue Laser Diode Module (445/473/488nm)

The Stradus® Blue (445nm, 473nm, and 488nm) modules are all direct diode, TEM00 lasers that has the highest possible optical

450nm 5mW-100mW Blue Laser Diode Modules

High stability beam emitting tool of 450nm blue laser diode module projects intense blue laser light directly from a 450nm blue laser

Laserland Supplier of Laser Diode, Laser Diode Modules, Laser Lens ...

Laserland is a supplier and manufacturer of laser diode modules, laser modules, laser diodes, laser pointer, laser safety glasses,

Blue High Power Diode Laser up to 6 kW | LASERLINE

The blue diode laser revolutionizes the processing of copper, gold, and other highly reflective metals in several ways respects. The

Contact Us

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