

Do you have 6W blue laser diodes



Overview

NUBM44 is a high-power laser diode with 6 W of power from a small emitter. This GaN laser operates at up to 65 C without significant reductions to the lifetime. Just want to have a small-medium collection of blue diode diodes that are rated around 6W+. Feel free to add to the list but remember the minimum requirements 6W+ rated, 430 - 490 nm, voltage, current, all of these should be typical range in datasheet. Multi mode, single, dual, or triple emitter. Leveraging Sharp's advanced multi-mode laser diode technology, this 435nm blue wavelength device delivers 6W CW peak power in a compact TO5 9mm CAN package, combining exceptional brightness, superior material absorption, and reliable performance for demanding industrial, scientific, and specialty. The LE-445-6000 Blue Diode Laser can be used in laser engraving, marking, and cutting applications. Process wood, plastics, metals, anodized aluminum, stone, tile, and other materials. The spot, with a size of. © 2026, LASER TREE. Although NUBM44 is specified with a typical center wavelength of 445nm, it is sometimes referred to as a 450nm laser diode in certain literature.



Article Content

Blue Laser Diodes – Mouser

Blue Laser Diodes are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Blue Laser Diodes.

High Power TO5 9mm 435nm 6W Blue Laser Diode GH04C06W9G

Leveraging Sharp's advanced multi-mode laser diode technology, this 435nm blue wavelength device delivers 6W CW peak power in a compact TO5 9mm CAN package, combining exceptional

Best Portable Laser Engraving Machines in 2026 [Top 7]

In this article, we'll introduce you to the best 7 portable laser engravers currently available on the market. We'll delve into their key features,

Sharp 450nm 6W blue high power laser diode 6W 9mm

Brand new Sharp 450nm 6W blue high power laser diode 6W 9mm for engraving lighting Wavelength:450nm Typ. Optical Power Output : CW 6W Aperture Size: 2 * 20 um Oscillation

Sharp GH04C06W9G 435nm 6W Blue Laser Diode

Laser Specifications GH04C06W9G.pdf Features Part Number: GH04C06W9G Brand Name: Sharp Product Type: Laser Diode Wavelength: 435nm Optical

India Laser Diode Market (2025-2031)

India Laser Diode Market Overview The laser diode market in India focuses on the production and use of laser diodes, which find applications in telecommunications, medical devices, and industrial

6-Watt Blue Engraving Laser

The LE-445-6000 Blue Diode Laser can be used in laser engraving, marking, and cutting applications. Process wood, plastics, metals, anodized aluminum, stone, tile, and other materials.

CW Laser Diodes (blue)

CW Laser Diodes (blue) Blue laser diodes at 405 nm with 20 mW and at 450 nm with up to 1.6 W. Quick selection! Click here to find the laser diode you need and

Blue Lasers | 420-499nm, pulsed, CW & diode lasers

Shop RPMC's Blue lasers: 420-499nm, pulsed, CW & diode lasers, for various research & industrial applications like copper & non-ferrous metal welding

Nichia NUBM44 450nm 6W 9mm Blue Laser Diode

NUBM44 is a 445nm laser diode that emits 6W of power. It is the highest power available currently from any laser diode in a 9mm TO-Can (TO-5 package).

6-Watt Blue Engraving Laser

6-Watt Blue Engraving Laser LE-445-6000 6W Blue 445 nm Engraving, Marking, and Cutting Diode Laser The LE-445-6000 Blue Diode Laser can be used in laser engraving, marking, and cutting

Nigeria Laser Diode Market (2025-2031) | Trends, Outlook & Forecast

Nigeria Laser Diode Market Overview The Nigeria Laser Diode Market is growing due to the increasing use of laser diodes in various applications, including telecommunications, medical devices, and

Blue Lasers | 420-499nm, pulsed, CW & diode lasers

With wavelengths from 415 to 495 nm, our blue lasers provide unmatched versatility for precise materials processing, superior metal absorption, and high-resolution

Blue Laser Diode from Nichia, Model NUBM44

Product Overview Nichia NUBM44 Blue Laser Diode Overview The Nichia NUBM44 is a high-power laser diode with 6 Watts of power from a small form-factor TO

Brazil Green Laser Diode Market (2025-2031) | Trends, Outlook

Brazil Green Laser Diode Market Trends In the Brazil green laser diode market, a key trend is the increasing demand for green laser diodes in applications such as laser displays, automotive LiDAR

Best Laser Engravers and Cutters That We Tested In

As in previous years, 2024 has seen significant advancements in the laser engraving industry. Machines are becoming more powerful, offering more

6 W – Shop Laser Diodes from Top Brands

View SKU: 1064NM-6W-HHL-R / LASER-DIODE 1064nm Laser Diode, 6W Output Power, Multimode Fiber-Coupled Package 1064nm, 6 Watts of Output Power

A Guide to Diode Lasers

Check out our latest blog A Guide to Diode Lasers. Discover their applications, benefits, and tips for use in various industries. Stay informed with

1PCS NICHIA NUBM3F 465nm 146000mW Blue Laser Diode

Find many great new & used options and get the best deals for 1PCS NICHIA NUBM3F 465nm 146000mW Blue Laser Diode at the best online prices at eBay! Free shipping for many products!

6W+ Typically Rated Blue Lasers Diodes | Laser Pointer Forums

Just want to have a small-medium collection of blue diode diodes that are rated around 6W+. Feel free to add to the list but remember the minimum requirements 6W+ rated, 430 - 490 nm,

PLH3D-6W-XF

The laser head is based on a blue (450 nm) laser diode. The design of the optical system allows you to work in the focal range of 20 to 120 mm. PLH3D-6W-XF

PLH3D-6W-XF

The blue laser cuts textiles and various types of foam. 6W power allows permanent marking of steel and titanium. The laser head is based on a blue (450 nm) laser

The Blue Laser and Its Applications in Industry and

The blue laser is a device that emits a light beam in the wavelength range between 400 nm and 500 nm, visible as violet or blue to the human eye. The light beam

NUBM44 445 nm 6 W High-Power Blue Laser Diode

Nichia's NUBM44 blue laser diode emits 6 W of power at 445 nm and is highly focusable with a low thermal resistance 9mm TO-Can package.

Best Laser Cutters and Engravers 2026: Diode, CO2

You can get one of the best low-power laser cutters for as little as \$220. Low-wattage lasers are cheaper and perfect for engraving images and

Diode Laser Speed and Power Guide

For all you newbies out there with a diode laser, I have made a step-by-step guide on creating a power scale to dial in your engraving burns. Unlike

Verified Supplier Blue Laser Diode 5W High Precision Engraving ...

5W blue laser diodes are integral to non-contact surface inspection systems used in automated manufacturing lines. Their high coherence and focused beam enable laser triangulation, structured

Contact Us

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