How much does a 405nm laser diode cost in Central Asia

Overview

Laser Diode 405nm High-end 405 nm laser diodes may offer superior beam quality, stability, and longevity, but they may be Global 405nm Laser Diodes Market.

Key Takeaways

A 405nm laser diode typically costs between $10 and $150 per unit, depending on power, manufacturer, and order quantity.Price Range and Factors

The cost of a 405nm laser diode varies significantly based on optical power, package type, and brand. Low-power diodes (under 100mW) in standard TO-can packages generally start around $10–$30 per unit, while higher-power devices (up to 600mW or more) can range from $50 to $150 or higher per unit when sourced from manufacturers like Nichia, Osram, or Sharp . Factory direct or bulk orders from China can reduce the per-unit cost, especially for OEM or custom specifications .

Regional Considerations

In Central Asia, prices may be slightly higher due to import duties, shipping costs, and limited local distributors. Importing from China or online suppliers like Alibaba or Made-in-China is common, and delivery times should be factored into the total cost . For example, a 405nm, 600mW diode from a Chinese manufacturer is listed at factory cost levels suitable for bulk orders, which can be competitive even after shipping .

Summary
• Low-power (≤100mW): $10–$30 per unit

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• Medium-power (100–500mW): $30–$80 per unit

• High-power (500–1200mW): $80–$150+ per unit

• Factors affecting price: power output, manufacturer, package type, order quantity, shipping, and import duties . For accurate pricing in Central Asia, it is recommended to request quotes from multiple suppliers and consider bulk orders to reduce costs.

Article Content

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• High Manufacturing Cost: The cost of producing 405nm laser diodes is high due to advanced technology and materials. This

Factory Cost 405nm 155mW Laser Diode for Medicine

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405nm Laser Diodes Market: 225.40 million by 2033 | 18.82% CAGR

The 405nm laser diodes market is a specialized segment within the broader laser diode industry, focused on devices that emit light at

405nm laser diode-AliExpress

Check the laser diode specifications: Look for details such as wavelength accuracy, beam divergence, and thermal

405nm Laser Diodes Market Research Report 2034

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405nm Laser Diodes

Its use in high volume consumer product applications forced economies of scale which make this laser diode wavelength affordable

405nm Single Mode Laser Diodes Market Analysis 2026

According to the author, by 2033 405nm Single Mode Laser Diodes market size will become $776.003. 405nm Single Mode Laser

405nm Laser Diodes Market, Size, Trends and Forecast to 2034

Global Nm Laser Diodes Market Overview 405nm Laser Diodes Market was valued at US$ 113.1 billion in 2024 and is projected to

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Laser diode provided by CNI laser at 405 nm provide state-of-the-art power and brightness. The single mode, narrow line width,

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The 405nm Laser Diodes We Offer: Violet 405nm Laser Diodes for Bio/Medical & Industrial Near-UV

Amazon : 405nm Laser Diode

1-16 of 130 results for "405nm laser diode" Results Check each product page for other buying options.

Laser 405 nm-AliExpress

The laser 405 nm is a versatile and widely used laser diode that operates at a wavelength of 405 nanometers, typically appearing as

Laser Diodes | Components to Systems | UV-LWIR | Shop | RPMC

A Laser Diode or semiconductor laser is the simplest form of Solid-State Laser. Laser diodes are commonly referred to as edge

Global 405nm Laser Market Size, Growth Trends, Industry Share ...

By Type Diode Lasers Diode lasers constitute the predominant subsegment within the 405nm laser market,

CW Laser Diodes (blue)

Blue laser diodes at 405 nm with 20 mW - at 450 nm with up to 1.6 W.

DIODE LASER SYSTEMS

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RLTMFC-405 series, Fiber Coupled RLTMFC series combined laser diode, laser cavity, fiber coupling, power supply, LED display

405nm Laser Diodes Market Research Report 2034

The 405nm laser diodes market was valued at $1.8 billion in 2025 and is projected to reach $3.4 billion by 2034, growing at a 7.4%

405nm Laser Diode, 120mW Output Power from CNI Laser

These 405nm blue laser diodes are offered by CNI Lasers, fulfilled by Laser Lab Source. These single mode lasers offer a peak

Ushio releases the world highest optical output power of 400mW at 405nm ...

In December of 2024 Ushio started sample shipments of the HL40213MG, a single-mode laser diode (LD) with the

nm laser modules – Kvant Modules

The diode laser modules that output red, green and blue laser beam, as well as full-colour white-light laser beam (RGB laser diode

Arktis Laser | Scientific Lasers | Arktis Laser

Our 405 nm Series of Combined-wavelength Diode-Pumped Solid-State (DPSS) / Diode Lasers are ideal for applications requiring

405nm laser-AliExpress

The 405nm laser is a violet-colored laser diode that emits light at a wavelength of 405 nanometers. It is commonly used in engraving,

Nichia 405nm Laser Diode System, 200mW, Single Mode

These systems are based on an integrated, thermally stabilized single mode 405nm Nichia laser diode with a separate controller

405nm Laser Diode Market CAGR, Expansion Trajectory ...

The 405nm Laser Diode Market is divided by product type, application area, end-use industry and region. The product Moderna

All the Top Laser Diode Brands & Wavelengths (SHOP

Laser diodes are semiconductor devices which convert an injected electrical power into an output of concentrated light at a specific

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405 nm blue violet diode laser.

405nm violet Blue Diode Laser with round beam spot, blue diode laser systems are manufactured by CNI laser.

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405nm Laser Diode – BeamQ Laser

The most common blue lasers are the diode lasers used in Blu-ray applications, which emit 405 nm “violet”

High Power Lasers Diodes (10W ~ 1kW)

HIGH POWER LASER DIODE PRICE GUIDE » LIST OF ALL HIGH POWER LASER DIODE

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