

Price of 405nm laser diode in New Zealand



AI Overview

The cost of a 405nm laser diode in New Zealand typically ranges from around NZ\$20 for basic low-power units to several hundred NZD for high-power or specialty devices.

Price Range and Factors

The price of a 405nm laser diode depends on several factors:

- Output Power:** Low-power diodes (a few milliwatts) are generally cheaper, while high-power diodes (hundreds of milliwatts or more) can cost significantly more.
- Spectral Properties:** Narrow linewidth, single-mode, or specialty diodes used in biomedical imaging or fluorescence applications command higher prices.
- Package Type:** Standard TO-can packages are more affordable, whereas specialized modules or integrated systems increase cost.
- Supplier and Shipping:** Local distributors like DigiKey, Mouser, and element14 ship to New Zealand, with prices in NZD and delivery options available.

Typical Pricing Examples

Basic 405nm diodes:

- Approximately NZ\$20–NZ\$50 for low-power consumer-grade units.
- High-power or narrow-linewidth diodes: Can range from NZ\$100 up to several hundred NZD depending on specifications.
- Specialty research-grade diodes: Prices may exceed NZ\$500 for precise spectral control or high-output applications.

Where to Buy

DigiKey New Zealand: Offers a wide range of laser diodes with delivery to New Zealand, free for orders over NZ\$66.

Mouser Electronics NZ: Provides pricing in NZD and datasheets for various 405nm diodes.

element14 NZ: Fast quotes, same-day dispatch, and technical support for laser diodes.

Roithner Laser: Lists 405–415nm blue laser diodes with detailed specifications and pricing.

When purchasing, consider the intended application, required output power, and spectral characteristics, as these directly influence the cost. For most hobbyist or general-purpose uses, a basic 405nm diode in the NZ\$20–50 range is sufficient, while research or industrial applic...

Article Content

Amazon : 405nm Laser Diode

10pcs 405nm Blue-Violet 5.6mm TO-18 Laser Diode, 20mW Output, With Photodiode, -10°C~+50°C Operating Temp, Precision Optoelectronic Add to cart

405 nm Blue-Violet Laser Diodes

The NV4V41SF-A is a high output blue-violet laser diode, achieving a high optical power output of 600 mW (CW) at up to 30°C. 405 nm blue-violet laser diodes, the NV4V31MF-A,

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GaN Laser Diode Market in Australia | Report

Market Trends Price erosion accelerates adoption: Standard-grade GaN laser diode unit prices have fallen 5–10% annually over the past three years, lowering the barrier for small and

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Laser Diode, Surface Mount & Through Hole | RS

Laser diodes are semiconductor devices which closely resemble an LED (light emitting diode). How do they work? Laser diodes work in a very similar way to LEDs, however they create a laser beam at its

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New Nichia 405nm 150mW NDV4312 blue violet laser

New Nichia 405nm 150mW NDV4312 blue violet laser diode.

GaN Laser Diode Market in Australia | Report

Australia operates as a net demand center for GaN laser diodes, with virtually no commercial upstream production of gallium nitride epitaxial wafers or laser chips. The market is

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The Argentina GaN laser diode market sits within a broader electronics and optical component landscape that is heavily shaped by the country's dependence on imported

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Output Current:30-300MA Dimentions:10.5x20mm Package 1pc 5mW-100mW 405nm Purple Blue Laser Diode Power Driver Board Circuit 30-300MA Payment Details

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Laser-induced graphene structures: From synthesis and applications

Abstract Despite being relatively new, laser-induced graphene (LIG) has undergone a number of evolutionary practical leaps that have inspired a wide range of applications in the

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YILUBAO 5pcs 405nm Violet/Blue 5mW Laser Diode 5.6mm TO-18

Product description Parameters: Wavelength:405nm Output Power:5-20

Package:5.6mm (TO-18) 5mw laser diode life 30000 hours 10: laser diode life 10000 hours 20: laser diode life 5000 hours Features:

405nm Laser Diodes

Its use in high volume consumer product applications forced economies of scale which make this laser diode wavelength affordable and simple to procure. However, relative to red laser diodes, 405nm

Contact Us

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