

Article Overview

Laser diode arrays can be purchased from specialized photonics suppliers, electronics distributors, and online marketplaces, with options for custom configurations and high-power applications.

Specialized Suppliers

- o RPMC Lasers offers a wide range of laser diode arrays with scalable output up to 2400W, customizable configurations, and support for CW and QCW operation. Their arrays cover wavelengths from 760-1470 nm and can be integrated into free-space or fiber-coupled setups, making them suitable for industrial, medical, and research applications .

- o Cutting Edge Optonics provides high-power laser diode arrays with output powers exceeding 100W CW and 200W QCW per diode bar. They offer a variety of wavelengths (780-980 nm) and custom designs for specialized pumping or direct diode applications .

- o Photonics Buyers' Guide lists 27 top manufacturers and suppliers, including Excelitas and Frankfurt Laser Company, offering laser diode arrays across a broad wavelength range and power levels, with options for fiber-coupled and free-space modules .

Electronics Distributors

- o Mouser Electronics stocks laser diodes from leading manufacturers such as ams Osram, KYOCERA AVX, and ROHM Semiconductor. They provide parametric filtering to select diodes by wavelength, power, and other specifications, making it easier to find arrays suitable for your project .

Online Marketplaces

- o eBay offers a variety of laser diodes, including arrays, with options for new and used components. This can be a cost-effective solution for smaller-scale or experimental projects .

Considerations When Purchasing

- o Power and Wavelength: Ensure the array meets your required output power and wavelength range.

- o Cooling and Packaging: High-power arrays may require water-cooled or conductively-cooled heat sinks.

- o Integration: Check if the array supports free-space or fiber-coupled setups for your application.

- o Custom Solutions: Many suppliers, like RPMC and Cutting Edge Optonics, offer custom configurations to match specific project requirements. By exploring these suppliers and distributors, you can find laser diode arrays that meet your technical specifications and application needs.

Where to buy laser diode arrays

Blue Laser Diodes -- 445-465 nm A broad selection of blue laser diodes, from 100 mW single-emitters to 50 W multi-emitter arrays.

Beyond laser diodes, RS Australia stocks a comprehensive range of laser modules and components, including laser modules, laser

Our semiconductor laser diodes come in a variety of packages, including standard ± 5.6 mm and ± 9 mm

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Fluid-Cooled Laser Diode Arrays Fluid-Cooled Laser Diode Arrays - T6 (QCW) Leonardo's T6 laser diode array is a compact, high

This buyer's guide for diode lasers provides technical background, comparison of major types, selection criteria, and an overview of

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Laser diodes typically have much higher electrical-to-optical (wall-plug) efficiencies than other types of lasers; in fact, they are some

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Our Laser Diode Arrays deliver unmatched power and versatility, with scalable output levels up to 2400W

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Where to buy laser diode arrays

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