

Article Overview

Top Australian suppliers for high-quality laser diode modules include DigiKey, Lastek, element14, and RS Components, offering a wide range of wavelengths, power outputs, and turnkey solutions.

Leading Suppliers and Options

DigiKey Australia offers a large in-stock selection of laser diodes and modules suitable for infrared, visible, and ultraviolet applications, with power ranges from milliwatts to multiple watts and various case sizes for nearly all applications. They provide same-day shipping and support for technical inquiries . Lastek specializes in high-precision and industrial-grade laser diode modules, including single-frequency diode lasers for Raman spectroscopy, tunable diode lasers (ECDL), and mid-infrared turnkey systems. They feature products from TOPTICA, Thorlabs, BluGlass, and nanoplus, covering wavelengths from 369 nm to 1770 nm and offering ultra-stable, low-noise performance for research and OEM applications . element14 Australia stocks a wide range of laser diodes from top manufacturers such as Rohm, AMS Osram, Würth Elektronik, and TT Electronics. Their catalog includes both standard and high-performance modules suitable for industrial, scientific, and hobbyist applications . RS Components Australia provides laser diodes, modules, and accessories from brands like OSRAM Opto Semiconductors and Global Laser. They offer free next-day delivery and a variety of components for integration into custom systems or standalone applications .

Key Considerations

- o Wavelength and Power: Choose modules based on your application's required wavelength (UV, visible, IR) and optical power.
- o Configuration: Options include free-space, fiber-coupled, or OEM-ready modules.
- o Stability and Noise: For precision applications, consider low-noise, temperature-stabilized modules like TOPTICA DL pro or Thorlabs MIR lasers.
- o Integration: Some suppliers offer turnkey systems with integrated drivers and digital control for easy deployment. By selecting from these Australian suppliers, you can access high-quality, reliable laser diode modules with local support, fast shipping, and a broad range of specifications suitable for research, industrial, and OEM applications.

ProPhotonix designs and manufactures custom LED lights and Laser module solutions for some of the

Laser diode stacks consist of vertically arranged laser bars or single emitters. The total optical power thus scales up with the number



High-quality Australian laser diode modules

Laser Modules & Components In this section you will find our extensive range of laser diodes, laser modules and accessories from

Our high-performance laser modules offer exceptional power, precision, and reliability for a wide range of applications, including

Discover the industry-leading reliability and performance of TRUMPF's laser diode pump modules. We offer a flexible portfolio of high

High Precision Lasers (CK Series) The instrumental quality CK laser module is designed to specifically address the needs of high

Shop DigiKey's large in-stock selection of Laser Diodes, Modules. View inventory, pricing and order now for same day shipping!

Buy Module Lasers. element14 Australia offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets & technical

Shop IR, SMD, blue, green and high-power laser diodes at RS Australia. Buy laser diodes online with fast AU delivery from trusted

Diode lasers are the most common type of laser and are used in multiple applications due to their small footprint and low cost. We

These very high quality laser diodes produce near-UV light at around 405nm. These can be used with a suitable enclosure and lens

Product PortfolioAMS Technologies is a leading supplier of laser diodes and carries an exceptionally broad portfolio of component

Premier Laser Diode Modules contain an industrial quality laser diode with built-in monitoring photodiode. An efficient processor

Our CW laser diode (LD) modules include the laser diode with the thermal management and electrical

Blue Sky Research has designed several families of laser components which offer superior beam qualities in a compact package for

Laser Diodes, Modules Laser Diodes and Modules are semiconductor devices that can emit a beam of high



**High-quality
modules**

Australian

laser

diode

intensity focused

Web: <https://www.supremeacademicresearch.co.za>

