Miniature Laser Diode Supplier

Article Overview

Miniature laser diodes are available from specialized manufacturers and distributors such as EIT Lasertechnik, Frankfurt Laser Company, Mouser Electronics, and several others listed on RP Photonics and ProcessRegister.com.

Key Suppliers and Offerings

1. EIT Lasertechnik EIT Lasertechnik offers 635nm and 650nm mini laser diodes with compact, lightweight designs, low power consumption, and good beam quality. These modules are suitable for industrial alignment, machine vision, inspection, medical aesthetics, laser sights, and portable devices. Their miniaturized design allows easy integration into space-constrained systems, and they provide plug-and-play functionality for rapid deployment . 2. Frankfurt Laser Company (FLC) FLC is a global supplier of FP, DFB, DBR laser diodes, VCSELs, and Quantum Cascade Lasers, covering wavelengths from 213nm to 20um and power levels up to 5600W. They also provide superluminescent diodes, laser diode modules (free-space and fiber-coupled), DPSS lasers, and OEM modules. FLC specializes in customized solutions, including obsolete or exotic laser diode products, making them ideal for specialized or hard-to-source applications . 3. Mouser Electronics Mouser is an authorized distributor for leading laser diode manufacturers such as ams Osram, KYOCERA AVX, and ROHM Semiconductor. They offer a wide selection of laser diodes, including miniature and low-power options, with pricing and quantity filters for easy procurement. Mouser is suitable for users seeking standardized components with reliable supply chains . 4. RP Photonics Supplier List RP Photonics provides a comprehensive buyer's guide with over 140 laser diode suppliers, including miniature diode options. The guide helps define selection criteria based on wavelength, power, beam quality, and packaging, and links directly to supplier offerings for comparison and quotation requests . 5. ProcessRegister.com This platform lists multiple miniature laser diode suppliers, including Ayase America, Axcel Photonics, StockerYale, Applied Optronics, Lacey-Harmer, Photonic Products Ltd, and A.O.S. Technology Ltd. These suppliers offer a range of products such as visible and near-infrared diodes, pulsed and multi-element modules, collimators, and assemblies, catering to industrial, medical, and optical sensing applications .

Considerations for Selection

When choosing a miniature laser diode supplier, consider:

o Wavelength and power requirements for your application.
o Beam quality and divergence for precise alignment or measurement tasks.
o Form factor and integration for compact or portable systems.
o Supplier support and customization for specialized or hard-to-find products.
o Compliance and certifications if used in medical or industrial environments. These suppliers collectively cover a broad spectrum of miniature laser diode needs, from standard low-power modules to highly

specialized, custom-engineered solutions.

Laserland focuses on laser manufacturing and sales for 10 years. We supply laser diodes, diode laser modules and of various sizes

Laser diodes are available at Mouser Electronics from industry leading manufacturers. Mouser is an authorized distributor for many

A miniature diode-laser module measures 7 mm in diameter and 22 mm long. The casing is made of brass and fitted with a fine

Verified suppliers share guides for design and can match latest laser diode trends. Start with a price request or sample RFQ to

Mouser offers inventory, pricing, & datasheets for Laser Diodes Laser Diodes.

Need reliable laser diode manufacturers? Discover certified suppliers offering high-power diodes for medical, industrial,

Aligned Laser Modules in Miniature The small LC-LMD-650-12 laser modules are coaxially aligned models that are available as part

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A Laser Diode is a type of semiconductor device that produces coherent light through the process of stimulated emission. The

Mini Laser diode Lightweight, low power (<5mW) for industrial alignment, measurement, and portable

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