

High-performance blue and violet laser modules for precision applications. Explore solutions designed for unmatched accuracy. Power your projects!

These researchers hope that the enhanced performance enabled by their H plasma treatment could lead to expanded commercial application of blue laser diodes in multiple fields such ...

Abstract: A prism-based self-injection locked seamlessly tunable blue InGaN/GaN laser diode composite cavity system is presented. A rigorous analysis of this external cavity diode laser (ECDL) system is ...

The Solution Laserline's blue high power diode laser series revolutionizes the processing of copper, gold and its alloys in various ways. With approximately 445 nm, these lasers offer the ideal wavelength for ...

Direct diode laser applications also become increasingly feasible due to the performance enhancement of blue laser diodes. Data recording is the major driver for the development of blue and violet laser ...

To formulate suitable beam shaping solutions for blue lasers, three aspects need to be considered: selection of optical materials, micro-optical design, and optical coating design.

As your partner, we're here to guide you through the selection process, ensuring that your blue laser integrates seamlessly into your existing systems. With time-tested technology that balances power ...

We offer custom blue laser diode modules across multiple power levels, wavelengths, and packaging formats. Whether you require compact integration or high-output performance, we tailor ...

All of our laser modules are designed for compactness, ease of use, and integration into your system. Many of our laser modules can be configured to output blue laser light. Select from the product ...

These results provide a simple way of tuning the mode structure of a linewidth-compressed diode laser and are useful for various high-precision applications.

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