

1550 Laser Coupling Diode



Overview

The LDB-DFB-1550-50CW is a single frequency CW laser coupled with Polarization Maintaining fiber. Built with Distributed Feed-Back Grating (DFB) as cavity reflector, it provides a pure, single longitudinal mode, and extremely stable wavelength source. AeroDIODE offers the flexibility of 4 butterfly pin configurations (for 1550nm DFB laser diodes) and 2 types of singlemode fibers (SMF or PMF). Stock items have type-1 pin configuration. These laser diodes also feature an integrated driver for plug and play operation, only requiring a 5V external power supply (#73-818). Pigtailed Laser Diode Modules are available with VIS and NIR. Fiber coupled wavelength-stabilized (FBG and DFB) laser diodes at 980 nm, 1064 nm, 1300 nm, 1480 nm and 1550 nm with power up to 150mW in 14-pin DIL package and 14-pin butterfly package. 1550nm Lasers emit laser light in the short-wave infrared (SWIR) or the near-infrared (NIR) range for the SLEDs. 1550nm Fiber Coupled Laser Up to 100mW High output power; Industry-standard, 14PIN butterfly package; Built-in TEC and optical isolator; High-performance, distributed-feedback (DFB) laser; 2. Applications: LAN, WAN and metro networks; Laser sources; CATV systems Please refer to the data sheet.



Article Content

Mar 23, 2026

Laser Diodes For Business

Contact Us We offer fiber-coupled laser diodes for the most demanding scientific and industrial applications. Through the implementation of proprietary design, packaging, and fiber coupling

Dec 30, 2025

Pulsed Laser Diodes with Fiber Pigtail

Pigtailed Pulsed Laser Diodes LASER COMPONENTS Canada, Inc. presents fiber-coupled pulsed laser diodes at 905 nm and 1550 nm. The high coupling efficiency of these lasers is achieved through a

Sep 19, 2025

1550nm Laser Diodes

1550nm Laser Diodes, List of All Manufacturers and Products, Unbiased SELECTION GUIDE, Butterfly and TO-Can, Get the Best Prices on 1550nm

Jul 27, 2025

LDS-1550-DFB-2.5G-15/50 MAIN FEATURES

LDS-1550-DFB-2.5G-15/50 is the MQW laser diode coupled to an optical fiber and packaged into a hermetic case. The special feature of the LDS technology is the increased thermal stability of optical

Sep 08, 2025

WSLP-1550-xxxm-9-DFB

The WSLP-1550-xxxm-9-DFB from Wavespectrum Laser Inc. is a Laser Diode with Wavelength 1520 to 1580 nm, Output Power 0.0005 to 0.003 W, Output Power

Mar 13, 2026

780nm laser diode DFB – fiber coupled

This 780nm single frequency DFB laser diode is offered as stock item or associated with a low noise Laser diode driver.

Sep 28, 2025

1550 nm Laser

Description Compact 1550 nm laser is a diode module used in numerous applications, such as inspection, optical guiding, infrared absorption. The small

Mar 12, 2026

1550 nm laser diode

Emission spectrum & LIV @ 25°C Laser diodes are classified based on continuous operation - Contact us for any special requests regarding classification or power limitation.

Apr 29, 2026

DATA SHEET

These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R& D and industrial applications. Proprietary design, packaging, and fiber coupling

Feb 20, 2026

1550nm 5mW Pigtailed Laser Diode

Pigtailed Laser Diode Modules are available with VIS and NIR wavelengths ranging from 405 to 1550nm, with output powers ranging from 1 to 100mW. Their plug and play operation make these laser diodes

Feb 02, 2026

1625 nm laser diode up to 100 mW DFB

These 1625 nm laser diodes are offered as stock items or associated with a Pulsed Laser Diode Driver. Narrow 1625nm emission bandwidth as low as 160 KHz.

Mar 23, 2026

Distributed Feedback Lasers – DFB laser

Distributed feedback lasers are diode or fiber lasers where the whole laser resonator consists of a periodic structure, in which Bragg reflection occurs.

May 09, 2026

DATA SHEET

1550NM-10MW-PMF Product Overview This DFB laser is offered in a coaxial polarization-maintaining fiber-coupled package. The laser is mounted in a heat-sink bracket that allows for multiple mounting

Feb 13, 2026

FL-5510S-S Datasheet PDF

FL-3500 series are designed for coupling a single mode optical fiber with 1550 nm MQW-FP uncooled laser diode. FL-5500 series are the best kits as light sources for telecom and datacom applications.

Dec 04, 2025

LDB-DFB-1550-50CW DFB Laser

This laser diode is fabricated with Multiple Quantum Well (MQW) for excellent reliability and stability. It can be used either in CW operation for seeding the

Dec 26, 2025

LDB-DFB-1550-50CW DFB Laser

The LDB-DFB-1550-50CW is a single frequency CW laser coupled with Polarization Maintaining fiber. Built with Distributed Feed-Back Grating (DFB) as cavity

Jul 06, 2025

1550nm Lasers | Laser Diodes & Modules | RPMC

1550nm Lasers What are 1550nm Lasers? 1550nm Lasers emit laser light in the short-wave infrared (SWIR) or the near-infrared (NIR) range for the SLEDs.

Dec 11, 2025

Laser Diodes and Pump Modules

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

May 20, 2026

940 nm laser diode from 200 mW up to 200 W – fiber

These single mode and multi mode fiber-coupled 940 nm laser diodes are offered as stock items or associated with a CW or pulsed Turn-Key Laser Diode Driver.

May 27, 2026

1550nm Lasers | Laser Diodes & Modules | RPMC

1550nm Lasers emit laser light in the short-wave infrared (SWIR) or the near-infrared (NIR) range for the SLEDs. These SLEDs are grouped together around a center

Oct 08, 2025

LD-1550-21B Laser Diode

Laser Diode, Fiber Pigtailed, 1550 nm, 1.5 mW, 9/125 Single-mode, FC. Model: LD-1550-21B The LD-1550-21B Fiber Coupled Laser Diode consists of Fabry-Perot

Sep 28, 2025

1540, 1543, 1547, 1550 nm up to 100mW Fiber Coupled

1. 1550nm Fiber Coupled Laser. 2. Applications: Please refer to the data sheet for detailed specifications. Model#: BFLD-1550-10-SM-FA . List price of \$1200 is for

May 12, 2026

PM fiber coupled dfb laser diode at...

Fiber coupled wavelength-stabilized (FBG and DFB) laser diodes at 980 nm, 1064 nm, 1300 nm, 1480 nm and 1550 nm with power up to 150mW in 14-pin DIL package and 14-pin butterfly package.

Sep 21, 2025

PD-LD 1310nm, 1550nm Dual Wavelength Laser

PD-LD Inc. now offers its next generation of Dual Wavelength Laser Combiner Modules. These devices are designed to couple light from two different

Contact Us

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