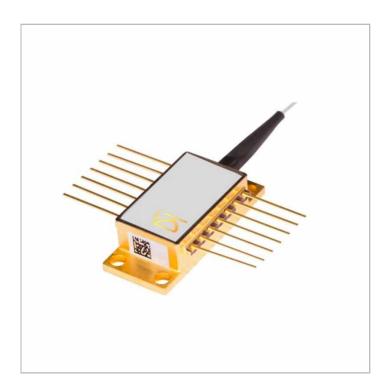




940nm Butterfly Laser Diode Single Mode Fiber, 200mW Output



940D-1-0-0 / LASER-DIODE

- o 940nm ±5nm Output
- o 200mW Output Power
- o Single Mode Fiber-Coupled
- o Integrated Photodiode, TEC, Thermistor
- o FC/APC Connectorized
- o Polarization-Maintaining Fiber Available



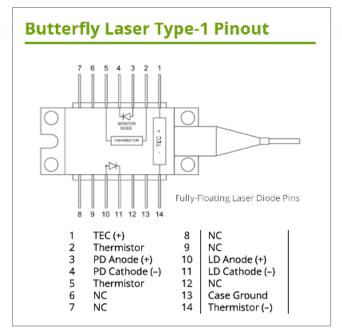
Optical Specifications



940NM SINGLE MODE FIBER-COUPLED LASER DIODE

These single-mode 940nm lasers deliver up to 200mW output power via single-mode fiber; polarization-maintaining fiber is available optionally. The internal photodiode, thermistor, and TEC ensure stable operating over long operating life-times, and in a wide variety of application environments.

The 940nm laser diode is also available packaged in a preconfigured laser source system with built in mount, control electronics, and remote user interface.



940LD-1-0-0 / LASER-DIODE GENERAL SPECIFICATIONS

Wavelength: 940 nm ±5 nm

	CW Output Power: 200 mW Emission Bandwidth: < 1 nm Wavelength Shift w/Temperature: 0.3 nm/°C Wavelength Shift w/Current: 5 nm/A
Optical Specifications with Optional FBG	Center Wavelength: 940 nm ±1 nm Emission Bandwidth: < 0.2 nm Wavelength Shift w/Temperature: 0.005 nm/°C Emission Bandwidth: < ~0 nm SMSR: 20 dB (typ)
Electrical Specifications	Threshold Current: 40 mA (typ) Operating Current: 400 mA (typ) Operating Voltage: 1.8 V (typ) Max LD Reverse Voltage: 2 V TEC Current *: 1.1 A (max) TEC Voltage *: 1.9 V (max) Thermistor: 10 kOhm (@ 25°C) * Chip Temperature 25°C, Case 70°C Photodiode Responsivity: 3 mA / A (typ)

Photodiode Dark Current: 5 nA

Fiber Pigtail Single Mode HI1060

PM980 Polarization Maintaining Fiber Available Optionally

FC/APC Connector

General Specifications Storage Temperature: -40°C – 85°C

Operating Case Temperature: -20°C – 70°C Operating Chip Temperature: 20°C – 40°C





PRODUCT SALES AND SERVICE:

Unlimited phone and email support is provided for products purchased through Laser Lab Source. Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by AeroDIODE, Talence, France.

PRODUCT WARRANTY:

This product is sold with a full one-year warranty. It is warrantied to be free from defects in material and/or work-manship for a period of one year from the date of shipment.



Laser Lab Source, a division of Research Lab Source, Inc. 670 S. Ferguson St., Suite 3
Bozeman, MT 59718 USA

Phone: 406-219-1472

www.LaserLabSource.com

