

DLM 50

Air-cooled Diode Laser Module



Applications

- ▶ Optical Pumping
- ▶ Soldering
- ▶ Plastics Welding
- ▶ Materials Processing
- ▶ FPD Bonding
- ▶ Medical



Features

- ▶ Output Power up to 50 W
- ▶ 915, 940, 960, and 970 nm Central Wavelengths
- ▶ Narrow Emission Linewidth with Wavelength Stabilization Option
- ▶ 5-mm Collimator and Bare Fiber Termination Options
- ▶ Red Guide Laser Option
- ▶ Compact Size

IPG's Diode Laser Modules are turnkey air-cooled diode systems with integrated driver electronics and cooling features. With output powers of 50, these compact modules are multi-mode with center wavelength options of 915, 940, 960 and 970 nm. The air-cooled DLM-series is available with a range of output options including collimator or bare fiber termination. A red guide laser option is also available.

IPG's diode modules are attractively priced for OEMs and integrators and serve a wide range of medical, materials processing and laser pumping applications.

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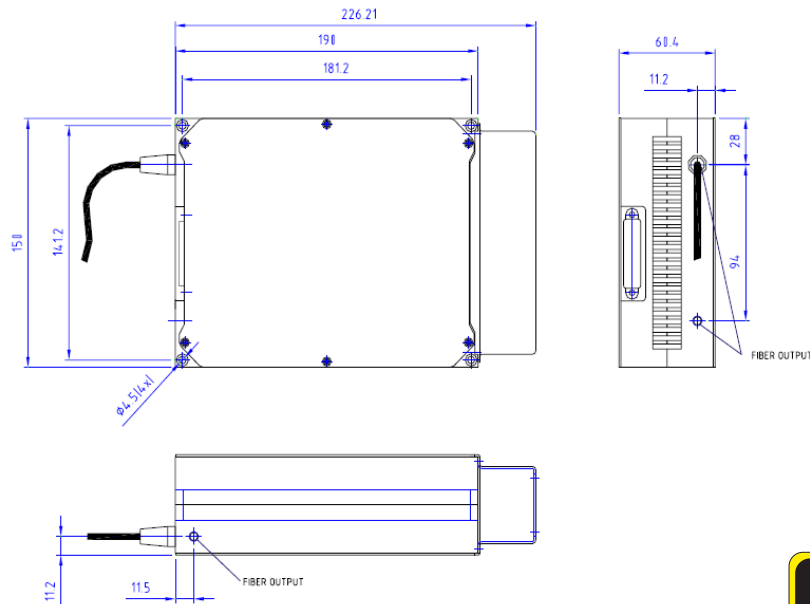
Optical Characteristics

DLM-50

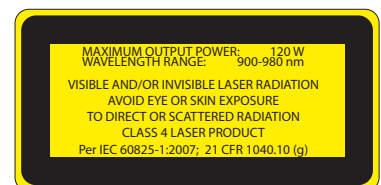
Central Wavelength, nm	915, 940, 960, 970
Linewidth FWHM, nm	5
Mode of Operation	CW/ Modulated
Maximum Output Power, W	50
Maximum Modulation Frequency, kHz	50
Power Stability, %	± 1
Standard Fiber Termination	5 mm Collimator
Bare Fiber Termination Option	Multimode, 200 μm

General Characteristics

Module Dimensions, mm	150 x 60 x 226
Cooling	Air-cooled
Control Interface	DB-25
Maximum Supply Voltage, VDC	24
Maximum Power Consumption, W	120



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