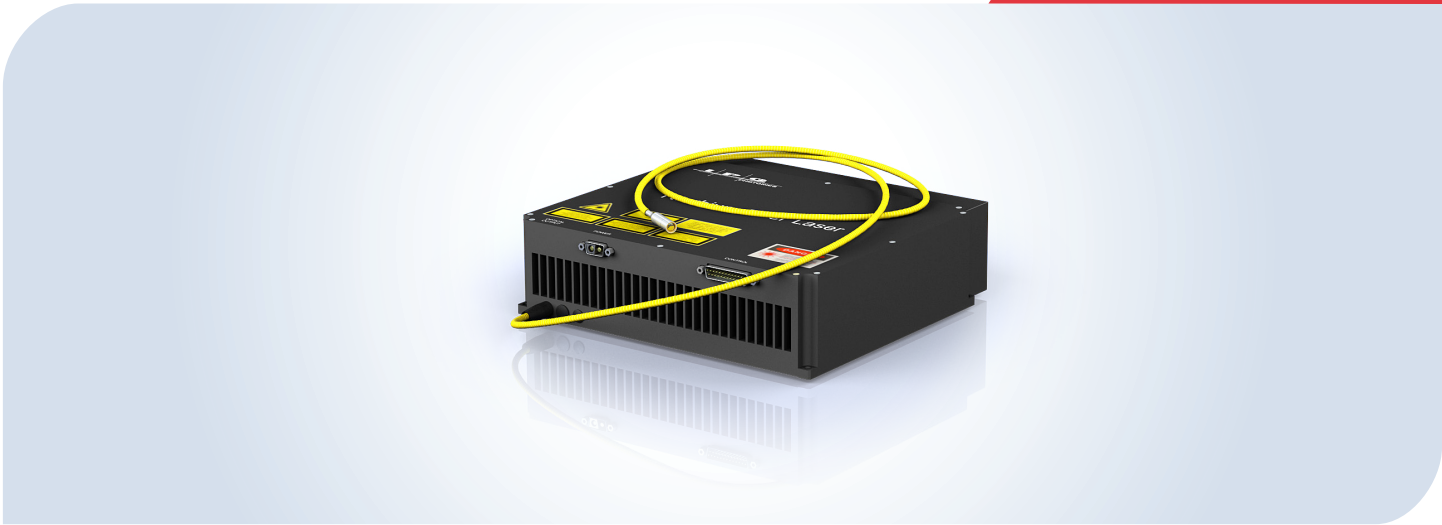




# DLM 50

## Air-cooled Diode Laser Module

NEW PRODUCT



### 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.

# DLM 50

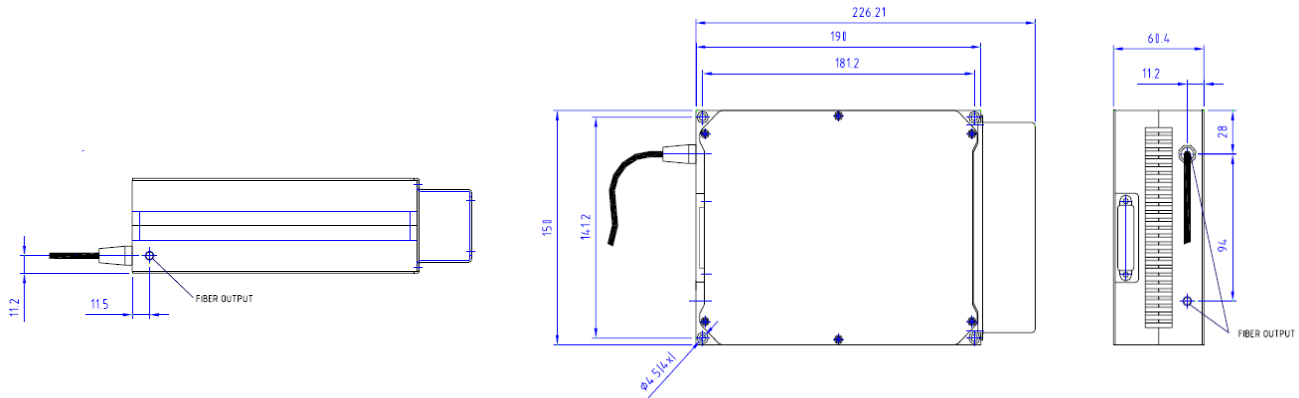
## Air-cooled Diode Laser Module

### Optical Characteristics

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

### General Characteristics

Module Dimensions (W × D × H), mm	150 × 60 × 226
Cooling	Air-cooled
Control Interface	DB-25
Max. Supply Voltage, VDC	24
Max. Power Consumption, W	120



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MAXIMUM OUTPUT POWER: 100 W  
 WAVELENGTH RANGE: 900-980 nm

**DANGER - INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT**  
 IEC 60825-1:2014

The Power to Transform®