

DLM SERIES

Diode Laser Modules

Output Power up to 700 W



FEATURES

- ▶ Output Power up to 700 W
- ▶ 915, 940, 960, and 970 nm Central Wavelengths
- ▶ Narrow Emission Linewidth with Wavelength Stabilization Option
- ▶ Multiple Collimator and Bare Fiber Termination Options
- ▶ Red Guide Laser Option
- ▶ Compact Size



APPLICATIONS

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

IPG Diode Laser Modules are turnkey water and air-cooled diode systems with integrated driver electronics and cooling features. With output powers up to 700 W, these compact modules are multi-mode with center wavelength options of 915, 940, 960 and 970 nm. 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 diode modules are cost effective for OEMs and integrators and serve a wide range of medical, materials processing and laser pumping applications.

DLM SERIES

Diode Laser Modules

Optical Characteristics	DLM-200	DLM-300	DLM-700
Central Wavelength, nm	915, 940, 960, 970		
Linewidth FWHM, nm	5		
Mode of Operation	CW/Modulated		
Max. Output Power, W	200	300	700
Max. Modulation Frequency, kHz	50		
Power Stability, %	±3		
Fiber Termination*	Collimator or LC8 Connector		
Bare Fiber Termination Option, μm	150	150	200

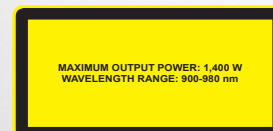
*Different output termination options are available upon request.

General Characteristics

Air-cooled Module Dimensions (W × D × H), mm	270 × 220 × 75
Water-cooled Module Dimensions (W × D × H), mm	270 × 220 × 58
Control Interface	DB-25
Electrical Efficiency	50% Typ.



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