BLM Series
Blue Diode Laser Modules

NEW PRODUCT

Applications

- Entertainment
- Optical Pumping
- Medical

Features

- Output Power up to 150 W
- Wavelength 450 nm
- Conduction-, Air- or Water-cooled Module
- Compact & Rugged Design

IPG Photonics' NEW BLM Series Blue Diode Laser Modules are turnkey diode systems with integrated driver electronics and conduction-, air- or water-cooling. With output powers up to 150 W, these compact, rugged modules produce 450 nm output with 5 nm linewidth. The conduction-cooled BLM modules are available up to 50 W, air- or water-cooled at 100 and 150 W. The modules feature standard SMA-905 connector and can be offered with a range of output options including collimator or bare fiber termination. IPG's diode modules are attractively priced for OEMs and integrators and serve a wide range of entertainment, medical and laser pumping applications.

BLM Series
Blue Diode Laser Modules

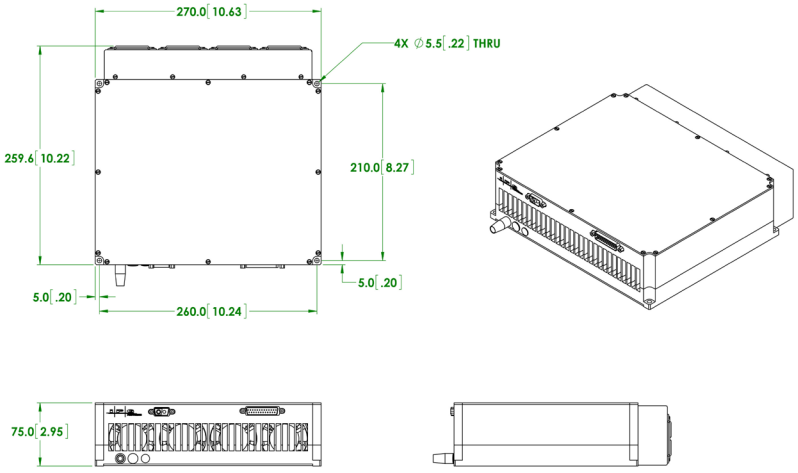
Optical Characteristics

	BLM-30	BLM-50	BLM-100	BLM-150
Wavelength, nm	450 ±5			
Linewidth FWHM, nm	5			
Mode of Operation	CW/ Modulated			
Max. Output Power*, W	30	50	100	150
Standard Fiber Termination	SMA-905			
Output Fiber Diameter, µm	100		200	
Output NA	0.22			

*Higher output power available upon request

General Characteristics

Module Dimensions, mm	80 x 160 x 22		270 x 255 x 75 or 270 x 220 x 60	
Cooling	Conduction-cooled		Air- or Water-cooled	
Control Interface	DB-25 Analog			
Max. Supply Voltage, VDC	58			
Max. Power Consumption, W	100	150	350	500



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