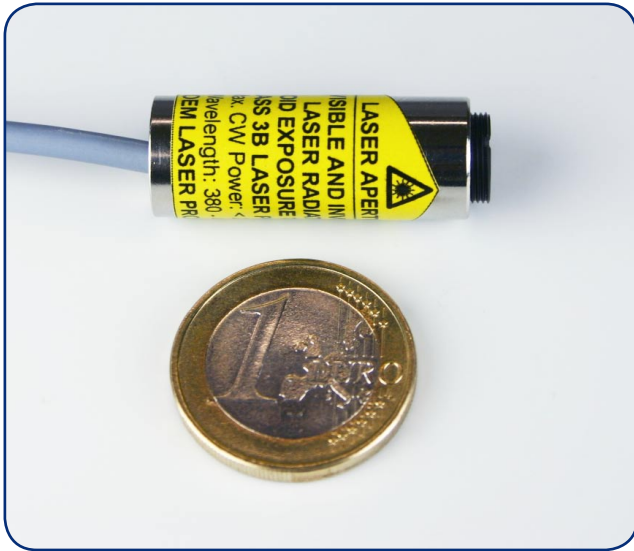


Blue High-Power Laser Diode OEM Modules

MONOPOWER™-405-50/100/150-MM



Features

- High Power in the Blue Region
- Well Collimated Beam
- Long Life Time
- Extremely Compact

Options

- Housing with TEC Cooling
- Temperature Tuning of the Central Wavelength (± 1 nm)
- Variable Output Power
- Compliance with IEC/EN 60825-1 Laser Safety Standards (e.g. for Non-OEM Customers)

Laser Specifications (Typical Values)

Wavelength	405 nm (± 5 nm)
Output Power	50, 100 or 150 mW (depending on the model)
Beam Spot	Elliptical, 2 × 3 mm at 1 m distance
Divergence	1 mrad
Spectral Width (FWHM)	< 0.3 nm
Weight	12 g
Dimensions	$\varnothing 12 \times 33$ mm
Laser Class	Class 3B Laser Product

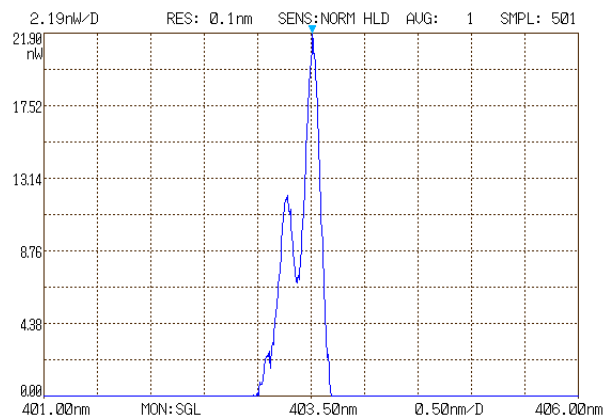
Laser Diode Driver Specifications

Voltage Input	Universal, 100 - 230 V AC
Power Consumption	< 5 W
Dimensions (W×H×L)	105 × 44 × 105 mm ³

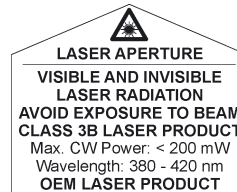


Laser Safety Note

These OEM modules are sold to other manufacturers for use as components in their own laser systems. They are not subject to IEC/EN 60825-1, since the final product will itself be subject to the applicable laser safety standards.



Typical Emission Spectrum at 50 mW Optical Power



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