

Deep
Ultraviolet
Laser
Modules



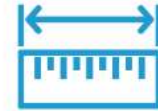
Model 261 lasers are the worlds only deep ultraviolet diode laser modules. They are OEM components which provide greater than 10 mW of continuous wave output at 261 nanometers. Their extremely compact size, wide operating temperature range, and low divergence output beam enables easy integration into fixed, portable, and handheld systems.



> 10 mW CW
output power



< 10W power
consumption

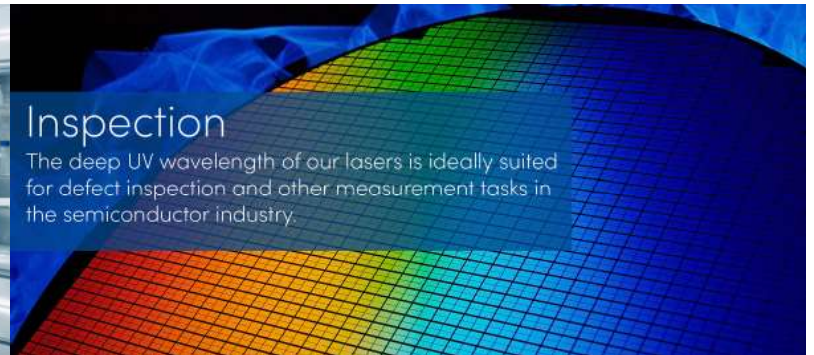


35 x 44 x 105 mm



Disinfection

261 nm is the peak wavelength for inactivation of pathogens. Our lasers provide >10,000 times the brightness of UVC LEDs or lamps. This enables extremely efficient system architectures for the disinfection of water, air, or surfaces.



Inspection

The deep UV wavelength of our lasers is ideally suited for defect inspection and other measurement tasks in the semiconductor industry.



Fluorescence

Our lasers are suitable for exciting native fluorescence in proteins and other biomolecules.



UV Raman

The narrow linewidth and continuous wave deep UV output of our lasers make them ideal sources for ultraviolet Raman spectroscopy

Model 261 Specifications

Output power	> 10 milliWatts
Wavelength	261.4 nanometers
Linewidth	< 100 picometers
Beam dimensions	V: 0.2 mm, H: 0.6 mm
Beam divergence, $1/e^2$	V: 2.5 mrad, H: 6.5 mrad
M^2	V: ~1.1, H: ~6.5
Normalized astigmatism	~1.5
Operating current	< 1.1 Amps
Operating voltage	< 4.5 Volts
Case temperature	25 C +/- 10 C
Temp. sensor	10k thermistor

Contact Sales with any additional questions or to request an integration guide for OEM and research applications.

Our Locations



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