

# AB photonics

Introducing **Blink**, a compact line of picosecond lasers



## Key Features

- Model 532-1000B is a turnkey green benchtop laser
- All-in-one system; integrated power supply and thermal management
- Reliable mode-locked pulses via semiconductor saturable absorber mirror (SESAM)
- Excellent beam quality
- Designed and manufactured in the USA

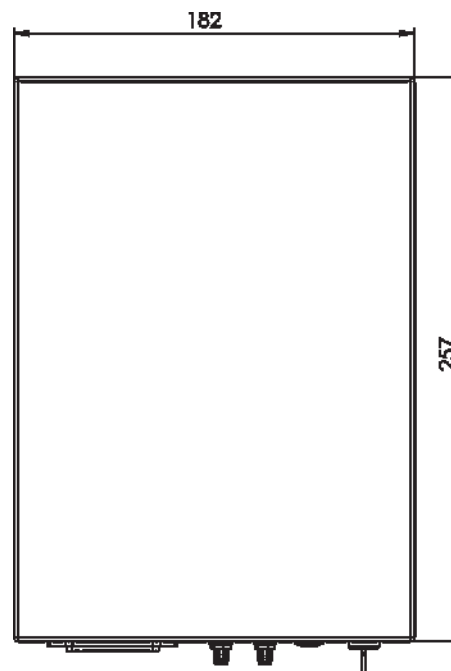
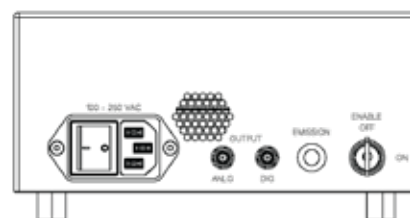
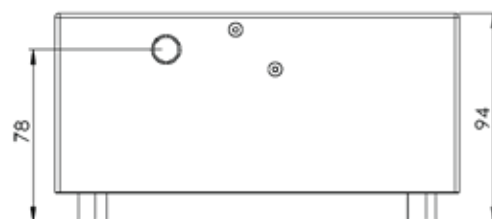
## Applications

- Raman Spectroscopy
- Laser-Induced Fluorescence
- Time-Resolved Spectroscopy
- Material Processing
- Scientific Research

# Technical Specifications

## Model 532-1000B

Average Power <sup>a</sup>	1000 mW
Emission Wavelength	532 nm
Emission Bandwidth (FWHM)	< 0.07 nm
Repetition Rate <sup>b</sup>	79 MHz
Pulse Width (FWHM)	~10 ps
Pulse Energy	13 nJ
Peak Power	1.3 kW
Output Power Stability	< 1% rms (10 hrs)
Beam Quality, M <sup>2</sup>	TEM00, M <sup>2</sup> < 1.1
Beam Diameter, D4σ	2.0mm
Beam Ellipticity	<5%
Polarization	>100 : 1 Vertical
Cold start time	<2 mins
Operating Temperature Range	20° - 30° C
Cooling	Air-cooled
Utility Requirement	100-260VAC, 50/60Hz
AC Power Consumption	<50W
Dimensions <sup>c</sup> (L x W x H)	257 x 182 x 94 mm
Weight	??kg



<sup>a</sup> Factory set between 100mW to 1000mW

<sup>b</sup> Other repetition rates available upon request

<sup>c</sup> Height is adjustable via changes in post length modifications