

MSL-R-523/100~1000mW

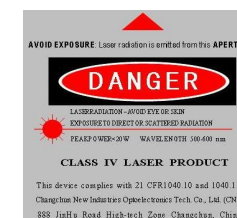
**SINGLE LONGITUDINAL MODE  
GREEN LASER AT 523 nm**

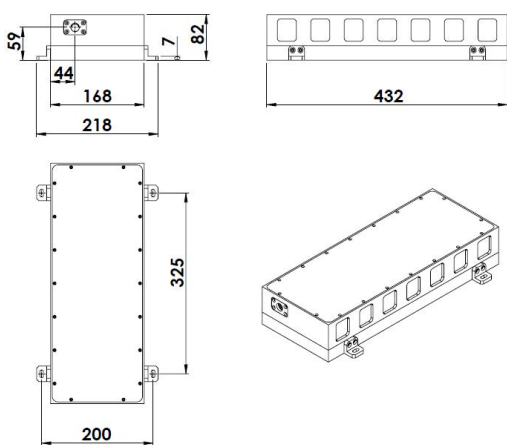
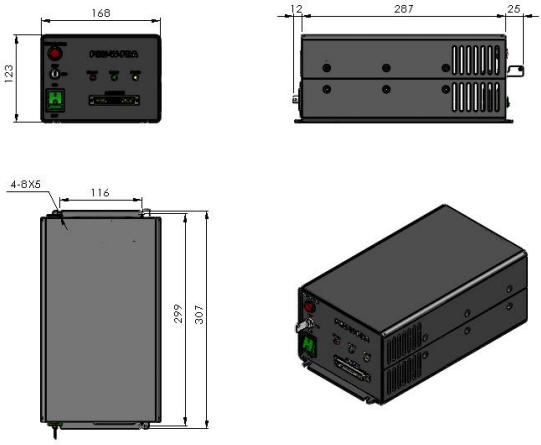
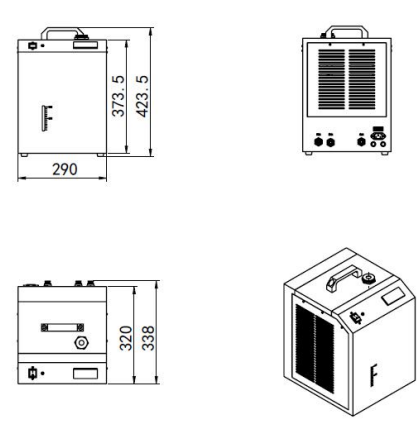
All solid state single frequency laser at 523nm is made features of high power, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



**SPECIFICATIONS**

Wavelength (nm)	523 ± 1
Operating mode	CW
Output power (mW)	>100, 200, ..., 1000
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
Longitudinal mode Single	Single
Noise of amplitude (rms, 20Hz~20MHz)	<1%
Polarization ratio	>100:1
M <sup>2</sup> factor	<1.2
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<1.5
Spectral linewidth (nm)	<0.00001
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	59
Warm-up time (minutes)	<10
Cooled method	Water cooled
Operating temperature (°C)	20~25
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MSL-R-523	PSU-W-FDA	Water Chiller(WCH-400)
 <p>432(L) × 218(W) × 82(H) mm<sup>3</sup>, 9kg</p>	 <p>307 (L) × 168(W) × 123(H) mm<sup>3</sup>, 4.5 kg</p>	 <p>338(L) × 290(W) × 423.5(H) mm<sup>3</sup>, 17 kg</p>