

## 593.5 nm LD Pumped All-Solid-Sate Laser MGL-W-593.5

**Model #:** MGL-W-593.5

**Description:** Diode laser pumped all-solid-state blue laser at 593.5 nm MGL-W-593.5 features high output power up to 800 mW, TEC cooling, superior beam quality, compact, light-weight, long lifetime, flexible interface concept- analog RS232, TTL or analog modulation, high reliability.



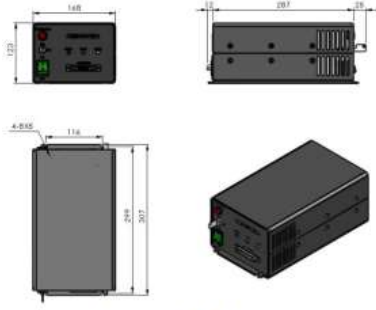
**Application:** laser sheet for PIV, collimation, medical treatment, scientific experiments, optical instrument, confocal microscopy, laser display, laser lighting show, etc.

### Specifications

Wavelength (nm)	593.5 +/- 1
Output Power (mW)	>400, 500....., 800
Transverse Mode	Near TEM <sub>00</sub>
Operating Mode	CW
Power Stability (rms, over 4 hours)	< 3%, <5%, 10%
M <sup>2</sup> Factor	3.0 ~ 6.0
Warm-up Time (minutes)	<10
Beam Divergence, Full Angle (mrad)	<2.0
Beam Diameter at aperture (1/e <sup>2</sup> , mm)	~4.0
Beam Height from Base Plate (mm)	93.5
Operating Temperature (C°)	10 ~ 35
Power Supply (90-264VAC or 5V DC)	PSU-W-FDA or PSU-W-LED
Modulation	TTL on/off, or analog with 1Hz-1KHz, 1KHz -10KHz, 10KHz-30KHz opt-onal
Expected Lifetime (hours)	10000
Warranty Period	1 year

### Ordering Information: MGL-W-593.5-A-B-C

A: maximum output power	B: power stability	C: power driver
500 - 500 mW	3 – 3%	1 - PSU-W-FDA
800 - 20 mW	5 – 5%	2 - PSU-W-LED
X - other	10 – 10%	

<p style="text-align: center;"><b>MGL-W-593.5 Head</b></p> 	<p style="text-align: center;"><b>MGL-W-593.5</b></p>  <p style="text-align: center;">346 (L) × 140 (W) × 125 (H) mm<sup>3</sup>, 5.7 kg</p>
 <p style="text-align: center;">336 (L) × 168 (W) × 133 (H) mm<sup>3</sup>, 4.6 kg</p>	 <p style="text-align: center;">307 (L) × 168 (W) × 123 (H) mm<sup>3</sup>, 4.5 kg</p>
<p style="text-align: center;"><b>PSU-W-LED</b></p>	<p style="text-align: center;"><b>PSU-W-FDA</b></p>

