

MGL-U-577/1-500mW



LD PUMPED ALL-SOLID-STATE  
YELLOW LASER

All solid state 577nm yellow laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	577±2	
Operating mode	CW	
Output power (mW)	>10, 20, 50, ..., 100mW	>100, ..., 500mW
Power stability (rms, over 4 hours)	<1%, <3%, <5%	<3%, <5%, <10%
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.2	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.0	
Beam divergence, full angle (mrad)	<1.5	
Beam height from base plate (mm)	27.4	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED PSU-H-FDA	
Modulation option	TTL on/off, 1Hz-1KHz	
Expected lifetime (hours)	10000	
Warranty period	1 year	



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MXL-U-577	PSU-H-LED	PSU-H-FDA
<p>142.5 (L)×60(W) ×50(H) mm<sup>3</sup>, 1.0 kg</p>	<p>277 (L) ×145 (W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>236 (L) ×145 (W) ×104 (H) mm<sup>3</sup>, 2.3 kg</p>