



MGL-S-577/1~30mW



**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**

Model	MGL-S-577-A (Harsh condition)	MGL-S-577-B (Normal condition)	
Wavelength (nm)	577±2		
Operating mode	CW		
Output power (mW)	>1, 5, 10, 20, ..., 30		
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%		
Transverse mode	TEM <sub>00</sub>		
M <sup>2</sup> factor	<1.2		
Beam diameter at the aperture( 1/e <sup>2</sup> ,mm)	~1.0		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)		
Pointing stability after warm-up (mrad)	<0.05		
Pointing stability Over Temp. (μrad/ °C)	<8		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	19		
Power Consumption(W)	<40		
Shock Tolerance(6ms)	7g laterally,15g vertically		
IP Rating	IP67	IP65	
Power supply(90-264VAC)	PSU-H-FDA	PSU-A-FP	PSU-III-OEM-97 (5VDC)
Operating temperature (°C)	0-60	10-35	
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C	
Expected lifetime (hours)	10000		
Warranty	1 year		



MGL-S-577-B	PSU-H-FDA	PSU-A-F	PSU-III-OEM-97
<p>100 (L) ×40 (W) ×40(H) mm<sup>3</sup>, 0.36kg</p>	<p>236(L) ×145(W) ×104 (H) mm<sup>3</sup>, 2.3kg</p>	<p>162(L) ×144(W) ×55(H) mm<sup>3</sup>, 0.5kg</p>	<p>94(L) ×75(W) ×49(H) mm<sup>3</sup>, 0.23kg</p>