



MGL-S-532/1~300mW



### LD PUMPED ALL-SOLID-STATE GREEN LASER

All solid state 532nm green laser is made features of high output power stability, good beam profile, ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost -effectiveness and easy operating, working under the pressure of 0.02kPa, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



### SPECIFICATIONS

Model	MGL-S-532-A(Harsh condition)	MGL-S-532-B (Normal condition)		
Central wavelength (nm)	532 ±1			
Operating mode	CW			
Output power (mW)	>1,5,10,20,...,200	>200, ..., 300		
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%		
Transverse mode	TEM <sub>00</sub>			
M <sup>2</sup> factor	<1.2(<1.1 optional)			
Beam diameter at the aperture( 1/e <sup>2</sup> ,mm)	0.7 ±0.05			
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)	<30			
Shock Tolerance(6ms)	7g laterally,15g vertically			
IP Rating	IP67	IP65		
Power supply(90-264VAC)	PSU-H-FDA	PSU-A-D	PSU-A-F	PSU-III-OEM-97(5VDC)
Operating temperature (°C)	0-60		10-35	
Max. Heat Dissipation of Head(W)	10W@50°C		4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option			
Expected lifetime (hours)	10000			
Warranty	1 year			



MGL-S-532-B	PSU-A-D	PSU-A-F	PSU-III-OEM-97
<p>100 (L) ×40 (W) ×40(H) mm<sup>3</sup>, 0.36kg</p>	<p>162 (L) ×144(W) ×70(H) mm<sup>3</sup>, 0.6kg</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>