

## MGL-S-543/1~100mW



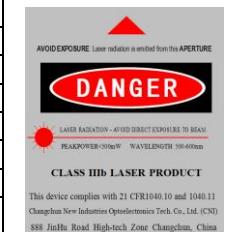
### LD PUMPED ALL-SOLID-STATE GREEN LASER

All solid state laser at 543nm is made features of 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 used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



### SPECIFICATIONS

Model	MGL-S-543-A(Harsh condition)	MGL-S-543-B (Normal condition)	
Central wavelength (nm)	543±1		
Operating mode	CW		
Output power (mW)	>1,5,10,20,...,50	>50,..., 100	
Power stability (rms, over 4 hours)	<1%,<2%,<3%	<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)	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-DP	PSU-A-FP
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		



This device complies with 21 CFR1040.10 and 1040.11  
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MGL-S-543-B	PSU-A-D	PSU-A-F	PSU-III-OEM-97
 100 (L) ×40 (W) ×40(H) mm <sup>3</sup> , 0.36kg	 162 (L) × 144(W) × 70(H) mm <sup>3</sup> , 0.6kg	 162(L) × 144(W) × 55(H) mm <sup>3</sup> , 0.5kg	 94(L) × 75(W) × 49(H) mm <sup>3</sup> , 0.23kg