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## DATA SHEET

### LD PUMPED ALL-SOLID-STATE CYAN LASER AT 500.8nm

All solid state laser at 500.8nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication. spectrum analysis. etc.



**Model: MGL-III-500.8/1~2mW**

Wavelength ( nm )	500.8 ± 1nm		
Output Power ( mW )	>1, 2		
Transverse Mode	Near TEM <sub>00</sub>		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<10%		
M <sup>2</sup> factor	<1.2		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e <sup>2</sup> (mm)	~1.2		
Beam height from base plate (mm)	24.8		
Polarization ratio	>50:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10,000		
Warranty period	1 year		

MxL-III-500.8	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>140. 8(L) × 73(W) × 46. 2(H) mm<sup>3</sup>, 0.6kg</p>	<p>154 (L) × 155(W) × 95 (H) mm<sup>3</sup>, 1.5 kg</p>	<p>133 (L) × 130(W) × 65 (H) mm<sup>3</sup>, 1.2kg</p>	<p>100 (L) × 62 (W) × 56 (H) mm<sup>3</sup>, 0.2 kg</p>