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## DATA SHEET

### LD PUMPED ALL-SOLID-STATE YELLOW GREEN LASER AT 556nm

Yellow green laser at 556nm is made of features of ultra-compact, long lifetime, low cost and high stability, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



**Model: MGL-FN-556/1~500mW**

Wavelength ( nm )	556 ± 1nm	
Output Power ( mW )	>1, 5, 10, 20,..., 500	
Transverse Mode	TEM <sub>00</sub>	
Operating Mode	CW	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~2.0	
Beam height from base plate (mm)	27.4	
Polarization ratio	>100:1 (o or 90 degree)	
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, 1KHz-10KHz; and Analog modulation option	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-FN-556	Dimensions	PSU-H-LED	PSU-H-FDA
	<p><b>207(L) ×70(W) ×50(H) mm<sup>3</sup>, 2.0kg</b></p>	<p><b>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</b></p>	<p><b>275 (L) ×145(W) ×104 (H) mm<sup>3</sup>, 2.3kg</b></p>