

MGL-F-589/1~300mW



**LD PUMPED ALL-SOLID-STATE YELLOW LASER**

All solid state 589nm 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, etc.



SPECIFICATIONS

Central wavelength (nm)	589 ± 1	
Operating mode	CW	
Output power (mW)	>1, 10, ..., 200	>200, ..., 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<3%, <5%
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<2.0	
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~3.0	
Beam divergence, full angle (mrad)	<2.0	
Polarization ratio	>100:1	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10~35	
Power supply (100-240VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MGL-F-589	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>211 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.6 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.3 kg</p>	<p>188 (L) × 145 (W) × 83 (H) mm<sup>3</sup>, 1.2 kg</p>