

**MGL-F-594/1~100mW**



**LD PUMPED ALL-SOLID-STATE LASER AT 594nm**

All solid state 594nm laser is made features of high output power stability, good beam profile, ultra compact, longlifetime, low cost and easy operating, which is widely used in collimation, treatment, scientific experimental, medical instrument, etc

**SPECIFICATIONS**

Wavelength (nm)	594±1
Operating mode	CW
Output power (mW)	1 - 100
Power stability (rms, over 4 hours)	<5%, <3%, <2%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<2.5
Beam divergence, full angle (mrad)	<2.0
Beam height from base plate (mm)	45
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	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	1 year



**Note: The laser head needs to be used on a heat sink with good heat dissipation.**

MGL-F-594	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>, 1.2kg</p>