



MGL-U-594/1~100mW

DPSS LASER AT 594nm

All solid state laser at 594nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	594±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 100
Power stability (rms, over 4 hours)	<3%, <5%, <10%
Transverse mode	TEM ₀₀
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	~0.7±0.05
Beam divergence (mrad)	<1.5
Polarization Ratio	>100:1, Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Laser head consumption(W)	15 (typical) , <25 (40°C)
Max. Laser Head Base plate Temp (°C)	50
Operating Temperature (°C)	10-40
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz; and Analog modulation optional
Expected lifetime (hours)	10000
Warranty	1 year



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

MGL-U-594	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>158 (L)×60(W)×50(H) mm³, 1.0 kg</p>	<p>277 (L)×145 (W)×106 (H) mm³, 2.6 kg</p>	<p>275 (L)×145 (W)×104 (H) mm³, 2.3 kg</p>	<p>188(L)×145(W)×83(H) mm³, 1.2kg</p>