

MGL-U-594/1~300mW



SOLID STATE LASER AT 594NM

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



SPECIFICATIONS

Wavelength (nm)	594±1	
Operating mode	CW	
Output power (mW)	1 - 100	100 - 200
Power stability (rms, over 4 hours)	<3%, <2%	<5%, <3%, <2%
Transverse mode	TEM ₀₀	
M ² factor	<1.2	
Beam diameter at the aperture (1/e ² , mm)	<1.0	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate at TC-01 (mm)	27.4	
Extra heat sink	TC-01	
Operating temperature (°C)	10~40	
Max. laser head base plate temperature (°C)	50	
Laser head consumption(W)	15 (typical), <25 (40°C)	
Power supply (90-264VAC)	PSU-H-FDA/PSU-H-LED/PSU-SR	
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-FDA	PSU-H-LED	PSU-SR
<p>142.5(L)×60(W)×50(H) mm³, 1.0kg</p>	<p>275(L)×145(W)×104(H) mm³, 2.3kg</p>	<p>277(L)×145(W)×106(H) mm³, 2.6kg</p>	<p>188(L)×145(W)×83(H) mm³, 1.2kg</p>