



Your source for high quality, affordable lasers

DATA SHEET

LD PUMPED ALL-SOLID-STATE YELLOW LASER AT 589nm

All solid state 589nm yellow lasers is made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



Model: MGL-F-589/100~200mW

Wavelength (nm)	589 ± 1nm		
Operating mode	CW		
Output power (mW)	>100, 200	>200, 300	
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<3%, <5%	
Transverse mode	TEM ₀₀		
M ² factor	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (1/e ² , mm)	~3.0		
Polarization ratio	>100:1		
Beam height from base plate (mm)	45		
Pointing stability after warm-up (mrad)	<0.05		
Warm-up time (minutes)	<10		
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)	10,000		
Warranty period	1 year		

MGL-F-589	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>211 (L) × 88(W) × 74 (H) mm³, 1.6 kg</p>	<p>277 (L) × 145(W) × 106 (H) mm³, 2.6 kg</p>	<p>275 (L) × 145(W) × 104 (H) mm³, 2.3kg</p>	<p>188 (L) × 145(W) × 104 (H) mm³, 2.3kg</p>