

MGL-F-589/1~300mW



LD PUMPED ALL-SOLID-STATE LASER AT 589nm

All solid state 589nm 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)	589±1
Operating mode	CW
Output power (mW)	1 - 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	TEM ₀₀
M ² factor	<1.5
Beam diameter at the aperture (1/e ² , 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-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, 2.3 kg</p>	<p>188(L) × 145(W) × 83(H) mm³, 1.2kg</p>