

MGL-F-589/50~300mW

### LD PUMPED ALL-SOLID-STATE YELLOW LASER





All solid state 589nm yellow laser 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.



#### SPECIFICATIONS

Wavelength (nm)	589±1		
Output power (mW)	>50, 150, 200, ..., 300		
Transverse mode	TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	45		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (89-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-F-589	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
			
209(L)×88(W)×74(H) mm <sup>3</sup> , 1.6 kg	268(L)×145(W)×106(H) mm <sup>3</sup> , 2.6 kg	238(L)×146(W)×102(H) mm <sup>3</sup> , 2.3 kg	238(L)×146(W)×94(H) mm <sup>3</sup> , 2.2 kg
