

# Opto Engine LLC

## Data sheet

Rev. 2102

MLL-F-577/1-300mW



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

All solid state 577nm yellow laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



#### SPECIFICATIONS

Central wavelength (nm)	577±2	
Operating mode	CW	
Output power (mW)	>10, 20, 50, ..., 200	>200, ..., 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>	
Noise of amplitude (rms, 1Hz~20MHz)	<1%	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~2.5	
Beam divergence, full angle (mrad)	<1.5	
Beam height from base plate (mm)	45	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA	
Modulation option	TTL on/off, 1Hz-1KHz	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MLL-F-577	PSU-H-LED	PSU-H-FDA
<p>211 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.6 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275(L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.3 kg</p>