

Opto Engine LLC

Data sheet

Rev. 2102

MBL-H-473/200~350mW



LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 473nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in experiment, fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	473 ± 1
Output power (mW)	>200, 250, 300, 350
Transverse mode	Near TEM ₀₁
Operating mode	CW
Power stability (rms, over 4 hours)	<5%
Warm-up time (minutes)	<10
M ² factor	<2.0
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (mm)	~3.0
Beam height from base plate (mm)	29
Polarization ratio	>100:1
Noise of amplitude (rms, 1~20MHz)	~30%
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED PSU-H-FDA PSU-H-OEM PSU-SR
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty period	1 year



MBL-H-473	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>154.5(L)×77(W)×60(H) mm³, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>236(L) ×145(W) ×104(H) mm³, 2.3 kg</p>	<p>188(L) ×145(W) ×83(H) mm³, 2kg</p>