

457 nm LD Pumped All-Solid-State Low Noise Blue Laser MLL-W-457

Model #: MLL-W-457

Description: 457 nm LD Pumped All-Solid-State Low Noise Blue Laser. The all solid state single blue laser at 457 nm features ultra compact, long lifetime and easy operating.



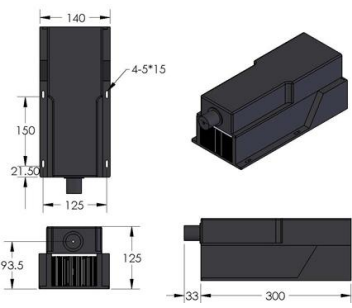
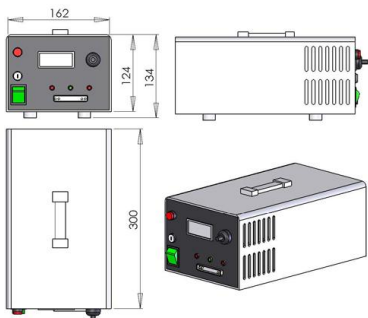

Application: fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.

Specifications

Wavelength (nm)	457±1
Output Power (mW)	>3000, 3500, 4000, ... 10000
Transverse Mode	Near TEM ₀₁
Operating Mode	CW
Power Stability (rms, over 4 hours)	<3%, <5%
Warm-up Time (minutes)	<10
M ² Factor	3.0 ~ 6.0
Beam Divergence, Full Angle (mrad)	<2.0
Beam Diameter at the Aperture (mm)	~4.0
Beam Height from Base Plate (mm)	93.5
Polarization Ratio	>100:1
Noise of Amplitude (rms, 1 ~ 20 MHz)	<3%
Operating Temperature (C°)	10 ~ 35
Power Supply (90-264VAC or 5V DC)	PSU-W-FDA or PSU-W-LED
Expected Lifetime (hours)	10000
Warranty Period	1 year

Ordering Information: MBL-W-457-A-B-C

A: maximum output power	B: power stability	C: power driver
3000 - 3000 mW	1 - 1%	1 - PSU-N-FDA
4000 - 4000 mW	3 - 3%	2 - PSU-N-LED
5000 - 5000 mW	5 - 5%	
8000 - 8000 mW	10 - 10%	
10000 - 10000 mW		
X - other		

MBL-W-457	PSU-W-LED
 <p data-bbox="446 483 722 506">333(L)×140(W)×125(H) mm³, 6.1 kg</p>	 <p data-bbox="925 483 1209 506">300 (L) ×162(W) ×134(H) mm³, 5.2 kg</p>
	
PSU-W-FDA	
 <p data-bbox="446 1165 722 1188">307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>	
