

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

Model #: MLL-N-457A, MLL-N-457B

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.



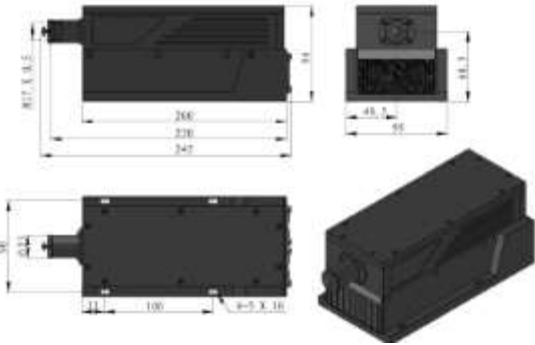
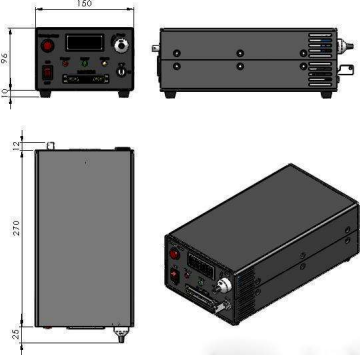

Application: Collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.

Specifications

Model	MLL-N-457A	MLL-N-457B
Wavelength (nm)	457±1	
Output Power (mW)	>1000, 1200, ...,1500	>1000, 1500, ... 2000
Transverse Mode	TEM ₀₀	Near TEM ₀₁
Operating Mode	CW	
Power Stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	
Warm-up Time (minutes)	<10	
M ² Factor	<1.5	<3.0
Beam Divergence, Full Angle (mrad)	<1. 2	
Beam Diameter at the Aperture (mm)	~ 2.0	~3. 0
Beam Height from Base Plate (mm)	68.5	
Polarization Ratio	>100:1	
Operating Temperature (C°)	20 ~ 30	10 ~ 35
Power Supply (90-264VAC)	PSU-H-FDA, or PSU-H-LED	
Expected Lifetime (hours)	10000	
Warranty Period	1 year	

Ordering Information: MLL-N-457A-C-D-E, MLL-N-457B-C-D-E

C: maximum output power	D: optical power stability	E: laser driver
1000 – 1000 mW	1 – 1%	1 - PSU-H-FDA
1500 - 1500 mW	2 – 2%	2 - PSU-H-LED
2000 – 2000 mW	3 – 3%	
X - other	5 - 5%	

MLL-N-457	PSU-H-LED
 <p data-bbox="500 478 760 499">245(L)×99(W)×94(H) mm, 2.6 kg</p>	 <p data-bbox="1019 478 1304 499">307 (L) ×150(W) ×106 (H) mm³, 2.9 kg</p>
	
PSU-H-FDA	
 <p data-bbox="487 1260 771 1281">307 (L) ×150(W) ×106 (H) mm³, 2.9 kg</p>	