



Lasertack

New Laser Generation

MSL-FN-457/1~400mW



SINGLE LONGITUDINAL MODE BLUE LASER AT 457nm

All solid state single longitudinal mode blue laser at 457nm is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



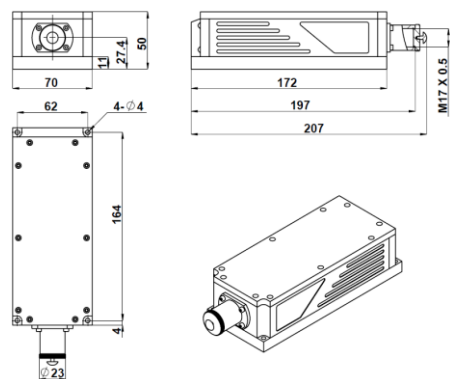
SPECIFICATIONS

Wavelength (nm)	457±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, ... , 150	>150, 160, ... , 400
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	TEM ₀₀	Near TEM ₀₀
Longitudinal mode	Single	
Spectral linewidth (nm)	<0.00001	
Coherent length (m)	>50	
Noise of amplitude (rms, 1Hz~20MHz)	<1%, typical<0.5%	
M ² factor	<1.2	
Beam diameter at the aperture (1/e ² , mm)	<2.0	
Beam divergence, full angle (mrad)	<1.2	
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Operating temperature (°C)	15~35	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.

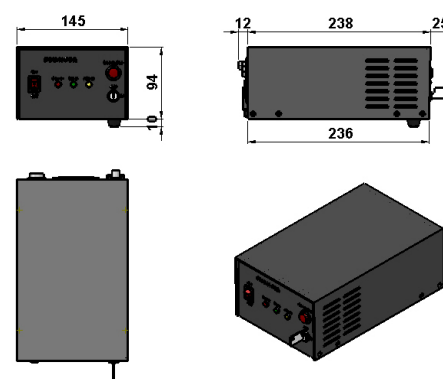


MXL-FN-457



197(L)×70(W)×50(H) mm³, 1.36 kg

PSU-H-FDA



236(L) × 145(W) × 104(H) mm³, 2.3 kg