

DATA SHEET

SINGLE LONGITUDINAL MODE BLUE LASER AT 473nm


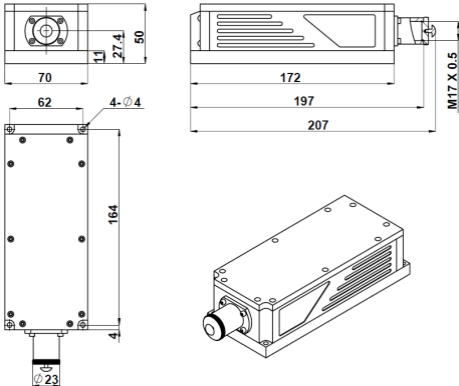

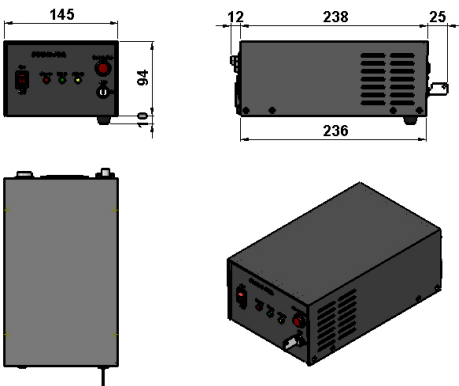
All-solid-state single longitudinal mode blue laser at 473nm is made features of ultra-compact, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



Model: MSL-FN-473/1~100mW

Wavelength (nm)	473 ± 1nm
Output power (mW)	>1, 5, 10, ..., 100
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.2
Beam diameter at the aperture (1/e ² , mm)	<2.5, typical <2.0
Beam height from base plate (mm)	27.4
Spectral linewidth (nm)	<0.00001
Polarization ratio	>100:1, Vertical ± 5 degree (Horizontal optional)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 1Hz~20MHz)	<1%, typical <0.5%
Coherence length (m)	>50
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10,000
Warranty period	1 year

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

MSL-FN-473	Dimensions	PSU-H-FDA	Dimensions
	 <p>197(L)×70(W)×50(H) mm³, 2.0kg</p>		 <p>236(L)×145(W)×104 (H) mm³, 2.3kg</p>