MSL-FP-639/1~600mW

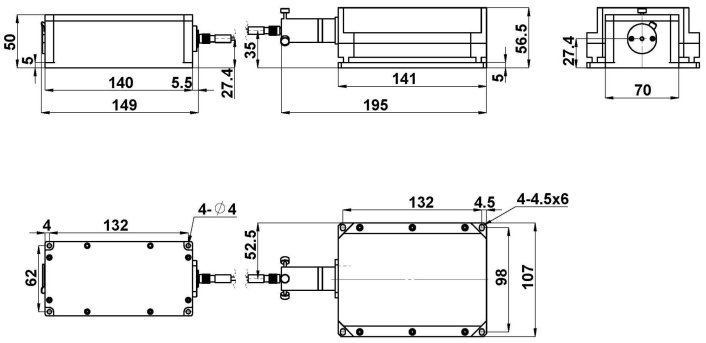
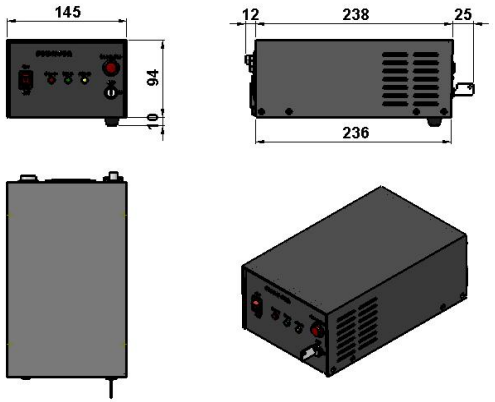
SINGLE LONGITUDINAL MODE RED LASER AT 639nm

All solid state single longitudinal mode red laser at 639nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, brillouin scattering, physics experiment, etc.

SPECIFICATIONS

Central wavelength (nm)	639±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, … , 600
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	TEM_{00}
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00004
Coherent length (m)	>10
Noise of amplitude (rms, 1Hz~20MHz)	<1%, typical<0.5%
M^2 factor	<1.2(<1.1 optional)
Beam diameter at the aperture ($1/e^2$, mm)	<1.5
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<10
Beam height from base plate (mm)	27.4
Cooled method	Water Cooled
Operating temperature (℃)	15~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000
Warranty	1 year

Note: The laser head must be used on a water cooling system

MSL-FP-639	PSU-H-FDA	WCH-150（Optional）
		
149(L)×70(W)×50(H) mm³ 195(L)×107(W)×56.5(H) mm³	275(L) ×145(W) ×104(H) mm³, 2.3 kg	275(L) ×230(W) ×330(H) mm³, 18 kg