MSL-TR series (532-1064nm)



SINGLE LONGITUDINAL MODE LASER

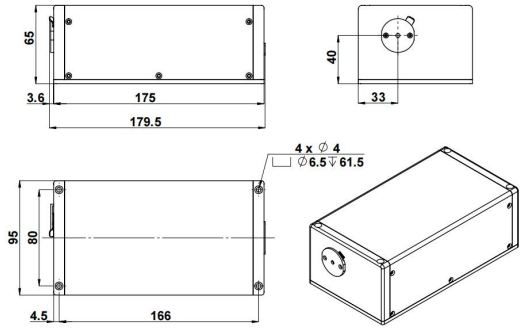
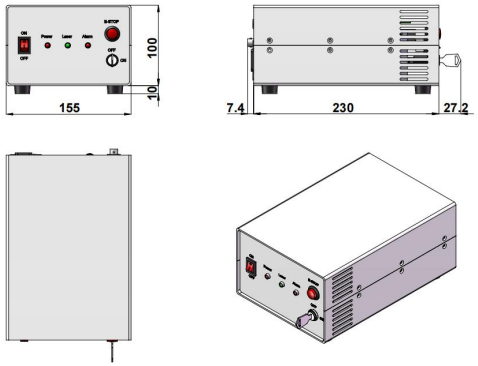
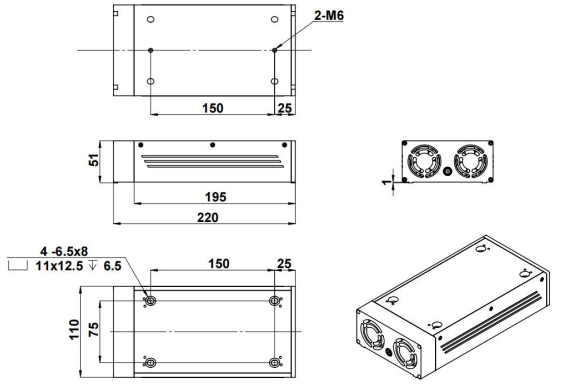
All-solid-state, single-longitudinal-mode laser features an ultra-compact design, long lifetime, and easy operation, It is used in DNA sequencing, flow cytometry, cell sorting, optical instruments, spectrum analysis, interference, measurement, holography, and physics experiments, etc.





SPECIFICATIONS

Wavelength (nm)	532±1	639±1	660±1	1064±1
Output power (mW)[1]	800-2000	500-1000	100-300	1000-3000
Power stability (rms, 4 hours ±3°C)	<0.5%，<1%			
Transverse mode	TEM_{00}			
Longitudinal mode	Single			
Operating mode	CW			
Spectral line width (nm)	<5MHz			
Coherent length (m)	>50			
Noise of amplitude (rms, 20Hz-20MHz)	<0.1%（typical）,<0.2%	<0.5%		
M^2	<1.2			<1.3
Beam circularity	＞0.9：1			
Beam diameter at the aperture ($1/e^2$, mm)	<1			
Beam divergence, full angle (mrad)	<1.5			
Polarization ratio	>100:1, Vertical (Horizontal optional)			
Warm-up time (minutes)	<10			
Pointing stability (urad) (over 2 hours after warm-up and ±3°C)	<50			
Pointing stability over temperature (urad/°C)	<8			
Beam height from base plate (mm)	40			
Laser head consumption (W)	70 (typical) , <80 (40°C)			
Operating temperature range (°C)	15~35			
Storage temperature range (°C)	0-50			
Power supply (100-240VAC)	PSU-Q-FDA			
Expected lifetime (hours)	>10000			

LASER HEAD[2]	POWER SUPPLY (PSU-Q-FDA)[3]	HEATSINK
		
179.5(L)×95(W)×65(H) mm³, 1.9kg	**264.6(L)×155(W)×110(H) mm³, 2.3kg**	

1 Any power level can be selected in this range.

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

3 Fixed output power.