

MSL-R-532/700~10000mW

SINGLE LONGITUDINAL MODE GREEN LASER AT 532 nm

All solid state single frequency laser at 532nm is made features of high power, 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.



SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	CW	
Output power (mW)	>700, 800, ..., 5000	>5000, ..., 10000
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	
Transverse mode	TEM ₀₀	
Longitudinal mode Single	Single	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Polarization ratio	>100:1	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e ² ,mm)	<1.5	
Spectral linewidth (nm)	<0.00001	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	59	
Warm-up time (minutes)	<20	
Cooled method	Water cooled	
Operating temperature (°C)	20~25	
Power supply (90-264VAC)	PSU-W-FDA	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MSL-R-532	PSU-W-FDA	Water Chiller(WCH-400)
<p>432(L) × 218(W) × 82(H) mm³, 9kg</p>	<p>307 (L) × 168(W) × 123(H) mm³, 4.5 kg</p>	<p>587.5(L) × 482(W) × 187.5(H) mm³, 17 kg</p>