



SINGLE LONGITUDINAL MODE LASER AT 1064nm

All solid state single longitudinal mode green laser at 1064nm 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)	1064±1
Operating mode	CW
Output power (mW)	>200
Power stability (rms, over 4 hours)	<1%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	<1.0
Beam divergence (mrad)	<1.5
Polarization Ratio	>100:1, Horizontal±5 degree
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Laser head consumption(W)	15 (typical) , <25 (40°C)
Max. Laser Head Base plate Temp (°C)	50
Operating Temperature (°C)	10-40
Power supply (90-264VAC)	PSU-SR
Expected lifetime (hours)	10000
Cooled method	Air cooled (Water cooling plate is a necessary accessory for Holography)
Warranty	1 year



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

Laser head	Power supply	Water cooling plate
<p>160(L)×60(W)×50(H) mm³,0.9kg</p>	<p>188(L)×145(W)×83(H) mm³, 2kg</p>	