

MSL-R-1064/ 1~10W

SINGLE LONGITUDINAL MODE INFRARED LASER AT 1064 nm

All solid state single frequency laser at 1064nm 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)	1064 ± 1
Operating mode	CW
Output power (W)	>1, 2, ..., 10
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%
Transverse mode	TEM ₀₀
Longitudinal mode Single	Single
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
Polarization ratio	>100:1
M ² factor	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e ² ,mm)	~1.5
Pointing stability after warm-up (mrad)	<0.05
Spectral linewidth (nm)	<0.00001
Beam height from base plate (mm)	59
Warm-up time (minutes)	<20
Cooled method	Water cooled
Operating temperature (°C)	20~30
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MSL-R-1064	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>