

MSL-R-1342/ 1~5W

### SINGLE LONGITUDINAL MODE INFRARED LASER AT 1342 nm

All solid state single frequency laser at 1342nm 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)	1342±1
Operating mode	CW
Output power (W)	>1, 2, ..., 5
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
Longitudinal mode Single	Single
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
Polarization ratio	>100:1
M <sup>2</sup> factor	<1.2
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.5
Spectral linewidth (nm)	<0.00001
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	58
Warm-up time (minutes)	<10
Operating temperature (°C)	20~30
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MSL-R-1342	PSU-W-FDA	Water Chiller
<p>427(L) × 190(W) × 83(H) mm<sup>3</sup>, 11kg</p>	<p>307 (L) × 168(W) × 123(H) mm<sup>3</sup>, 4.5 kg</p>	<p>280(L) × 230(W) × 380(H) mm<sup>3</sup>, 18 kg</p>