

MSL-FN-523.5/1~100mW



SINGLE LONGITUDINAL MODE GREEN LASER AT 523.5nm

All solid state 523.5nm green laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, brillouin scattering, optical instrument, etc.



SPECIFICATIONS

Wavelength (nm)	523.5±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 100
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Coherent length (m)	>50
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	<1.5
Beam divergence, full angle (mrad)	<1.2
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000
Warranty	1 year



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

MSL-FN-523.5	PSU-H-FDA
<p style="text-align: center;">197(L)×70(W)×50(H) mm³, 1.5 kg</p>	<p style="text-align: center;">275(L)×145(W)×104(H) mm³, 2.3 kg</p>