



Your source for high quality, affordable lasers

DATA SHEET

SINGLE LONGITUDINAL MODE YELLOW LASER AT 556nm

All solid state single longitudinal mode yellow lasers at 556nm is made features of ultra-compact, 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.

Model: MSL-FN-556/1~500mW

Wavelength (nm)	556 ± 1nm
Output Power (mW)	>1, 5, 10, ..., 500
Transverse Mode	TEM ₀₀
Longitudinal mode	Single
Operating Mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%, optional
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (mm)	~2.0
Beam height from base plate (mm)	27.4
Spectral linewidth (nm)	<0.000006
Polarization ratio	>100:1, 90 degree (0 degree optional)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
Coherence length (m)	>50
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-FDA
Modulation option	N/A
Expected lifetime (hours)	10,000
Warranty period	1 year



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

MSL-FN-556	Laser Head Dimensions	PSU-H-FDA	Power Supply Dimensions
	<p>197(L) × 70(W) × 50(H) mm³, 2.0kg</p>		<p>238 (L) × 146(W) × 102 (H) mm³, 2.3kg</p>