

MSL-T-405/1-80mW

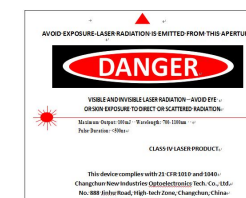
### SINGLE LONGITUDINAL LASER AT 405nm

All solid state CW laser at 405nm with a narrow linewidth, long lifetime, and easy operation, It is used in DNA sequencing, flow cytometry, cell sorting, optical instruments, spectrum analysis, interference, measurement, holography, and physics experiments, etc.



#### SPECIFICATIONS

Wavelength (nm)	405±1
Operating mode	CW
Longitudinal mode	Single
Output power (mW) <sup>1</sup>	1-80
Power stability (rms, 4 hours±3°C)	<2%, <1%
Spectral line width (nm)	<0.000005 (<10MHz)
Coherent length (m)	>10
Beam divergence, full angle (mrad)	<1
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<2
Noise of amplitude(rms,20Hz-20MHz)	<1%
Beam height from base plate (mm)	51
Polarization ratio	>100:1, Vertical(Horizontal optional)
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (°C)	15-35
Power supply (100-240VAC)	RADIPS
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY <sup>2</sup>	WATER CHILL
<p>274 (L) × 250(W) × 97(H) mm<sup>3</sup>, 8.2kg</p>	<p>301.5(L) × 224(W) × 114(H) mm<sup>3</sup>, 2.3 kg</p>	<p>370(L) × 258 (W) × 240.6(H) mm<sup>3</sup>, 8.3 kg</p>

1 Any power level can be selected in this range.

2 Fixed output power.