

MSL-T-785/1-300mW

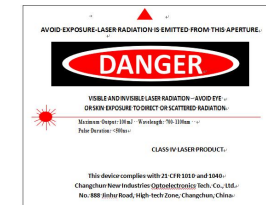
**WATERCOOLING CW-SINGLE
LONGITUDINAL LASER AT 785nm**

All-solid-state CW 785 nm narrow-linewidth red laser, widely used for DNA sequencing, cell sorting, optical instrumentation, spectral analysis, interferometry, holography and physical experiments.etc.



SPECIFICATIONS

Wavelength (nm)	785±1
Operating mode	CW
Longitudinal mode	Single
Output power (mW)	1-300
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 ² ,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)	RAD1PS
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY ²	WATER CHILL
<p>274 (L) × 250(W) × 97(H) mm³, 8.2kg</p>	<p>301.5(L) × 224(W) × 114(H) mm 3, 2.3 kg</p>	<p>370(L) × 258 (W) × 240.6(H) mm³, 8.3 kg</p>

1 Any power level can be selected in this range.

2 Fixed output power.