

MSL-T-808/1-300mW

**WATERCOOLING CW-
NARROW LINWIDTH RED LASER
AT 808nm**

All solid state CW red laser at 808nm with a narrow line width, which is widely used in DNA sequencing, cell sorting, optical instrument, spectrum analysis, interference, holography, physics experiment, etc.



SPECIFICATIONS

| | |
|--|--------------------------------------|
| Wavelength (nm) | 808±1 |
| Operating mode | CW |
| Longitudinal mode | Single |
| Output power (mW) | 1-300 |
| Power stability (rms, 4 hours±3°C) | <2%, <1% |
| Spectral line width(MHz) | <10 |
| 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) mm³, 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.