



Frequency stabilized SLM laser

FREQUENCY STABILIZED SLM LASER

Single longitudinal mode, frequency stabilized laser is made features of stable frequency and cost-effectiveness noise, which is used in optical frequency standards, gravitational wave detection, tests of fundamental physics, atomic clocks, high resolution spectrum, Laser Radar, Brillouin scattering, precision measurement, etc.



SPECIFICATIONS

Central wavelength (nm)	1064±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 200
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Frequency shift over 8 hours (MHz)	<±200
Frequency shift with Temp (MHz/°C)	<200
Coherent length (m)	>50
Beam diameter at the aperture(1/e ² ,mm)	1.00±0.05
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.7
Beam height from base plate (mm) at TC-01	76.3
Extra heatsink	TC-01



Note: The system include the laser and the heatsink

<p>MxL-S-1064</p> <p>100 (L) × 40 (W) × 40 (H) mm³, 0.36kg</p>	<p>PSU-A-F</p> <p>162(L) × 144(W) × 55(H) mm³, 0.5kg</p>	<p>TC-01 Heatsink</p> <p>197(L) × 117.5(W) × 57.3(H) mm³, 1.6 kg</p>	<p>Driver</p> <p>277(L) × 145(W) × 106(H) mm³, 2.6 kg</p>
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