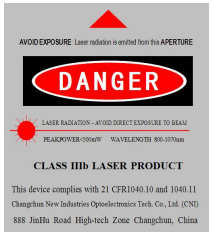
MSL-S-1064/1~700mW

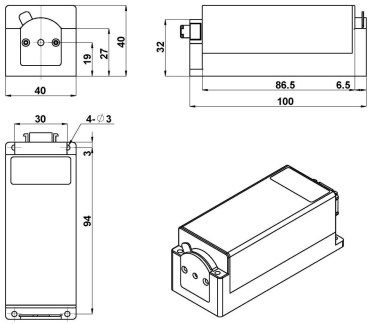
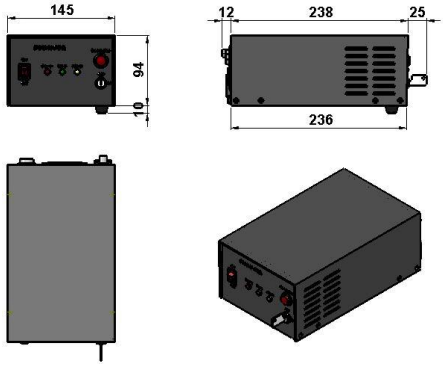
SINGLE LONGITUDINAL MODE INFRARED LASER AT 1064 nm

All solid state single frequency laser at 1064nm is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost -effectiveness and easy operating, working under the pressure of 0.02kPa, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, brillouin scattering, physics experiment, etc.

SPECIFICATIONS

Model	MSL-S-1064-A(Harsh condition)		MSL-S-1064-B(Normal condition)	
Central wavelength (nm)	1064±1			
Operating mode	CW			
Output power (mW)	>1,5,10,20,…,500	>500,…,700	>1,5,10,20,…,500	>500,…,700
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%	<1%, <2%, <3%	<2%, <3%
Transverse mode	TEM_{00}			
Longitudinal mode	Single			
Spectral linewidth (nm)	<0.00001			
Coherent length (m)	>50			
M^2 factor	<1.2			
Beam diameter at the aperture($1/e^2$,mm)	1.00±0.05			
Beam divergence, full angle (mrad)	<1.7			
Pointing stability after warm-up (mrad)	<0.05			
Pointing stability Over Temp. (μrad/°C)	<8			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	19			
Power Consumption(W)	<40			
Shock Tolerance(6ms)	7g laterally,15g vertically			
IP Rating	IP67		IP65	
Power supply(90-264VAC)	PSU-H-FDA		PSU-A-F	
Operating temperature (°C)	0-60		10-35	
Max. Heat Dissipation of Head(W)	10W@50°C		4W@25°C	
Modulation	Modulation isn't available.			
Expected lifetime (hours)	10000			
Warranty	1 year			



MSL-S-1064-B	PSU-H-FDA	PSU-A-F
		
100 (L) ×40 (W) ×40(H) mm³, 0.36kg	275(L) ×145(W) ×104 (H) mm³, 2.3kg	162(L) × 144(W) ×55(H) mm³, 0.5kg

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