



MBL-S-473/1~100mW



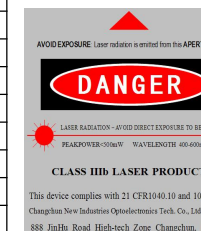
LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 473nm blue laser 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 fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, etc.



SPECIFICATIONS

Model	MBL-S-473	
Central wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>1,5,10, ..., 100	
Power stability (rms, over 4 hours)	<2%, <3%, <5%	
Transverse mode	TEM ₀₀	
M ² factor	<1.2	
Beam diameter at the aperture(1/e ² ,mm)	0.7±0.05	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Vertical±5 degree (Horizontal Optional)	
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)	<30	
Shock Tolerance(6ms)	7g laterally,15g vertically	
IP Rating	IP65	
Power supply(90-264VAC)	PSU-A-DP	PSU-A-FP
Operating temperature (°C)	10-35	
Max. Heat Dissipation of Head(W)	4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty	1 year	



MBL-S-473

100 (L) × 40 (W) × 40(H) mm³, 0.36kg

PSU-A-D

162 (L) × 144(W) × 70(H) mm³, 0.6kg

PSU-A-F

162(L) × 144(W) × 55(H) mm³, 0.5kg