



OEM-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, low cost 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

Wavelength (nm)	473±1
Operating mode	CW
Output power (mW)	>1,5,10,20,....,100
Power stability (rms, over 4 hours)	<3%, <5%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.2
Beam diameter at the aperture( 1/e <sup>2</sup> ,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 or 5VDC)	PSU-III-OEM-97
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



OEM-S-473	PSU-III-OEM-97
<p>100 (L) × 40 (W) × 40(H) mm<sup>3</sup>, 0.41kg</p>	<p>94(L) × 75(W) × 49(H)mm<sup>3</sup>, 0.23kg</p>