

OEM-F-473/1-500mW

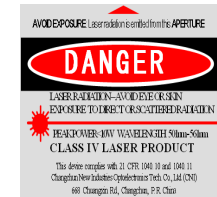
### LD PUMPED ALL-SOLID-STATE OEM BLUE LASER

All solid state 473 nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.



#### SPECIFICATIONS

Wavelength (nm)	473±1	
Output power (mW)	>1, 50, 100, ..., 150	200, 250, 300, ..., 500
Transverse mode	TEM <sub>00</sub>	Near TEM <sub>01</sub>
Operating mode	CW	
Power stability (rms, over 4 hours) at 25°C	<3%, <5%, <10%	<5%, <10%
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.2	<1.5
Beam divergence, full angle (mrad)	<10	<15
Beam diameter at the aperture (mm)	<1.0	
Beam height from base plate (mm)	25	
Operating temperature (°C)	22.5+/-2.5	
Operating current of Diode (A)	0-2.5	0-5.5
Operating voltage of Diode (V)	~2.0	
Pins information	11, 12: positive of diode; 1, 2: negative of diode	5,6,7,8: positive of diode; 12,13,14,15: negative of diode
Power supply (optional)	PSU-III-OEM (5VDC)	PSU-OEM-N (two channels 6 & 10V)
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	5000	
Warranty time	The warranty is 3 months, excluding the LD failure.	



Note: The power supply needs to be with the over current protection function.

OEM-F-473	PSU-III-OEM	PSU-OEM-N	Accessories
<p>111(L)×58(W)×45(H) mm<sup>3</sup>, 0.74kg</p>	<p>100 (L) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>	<p>170(L)×60(W) ×29(H) mm<sup>3</sup>, 0.15 kg</p>	<p>Collimation system</p>
			<p>V1: DC 6V 8A V2: DC 10V 8A</p>