

OEM-H-447/1-1000mW

## BLUE DIODE LASER AT 447NM

Blue diode laser at 447 nm is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.


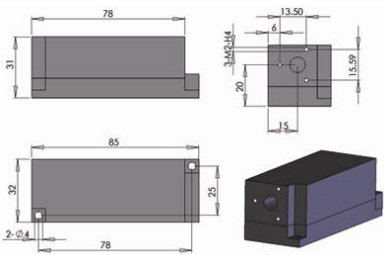



### SPECIFICATIONS

Wavelength (nm)	447±5	
Output power (mW)	>1, 10, 20, ...,500	>500, 600, ...,1000
Transverse mode	Near TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours) at 25°C	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M <sup>2</sup> factor	<20	
Beam divergence, full angle (mrad)	<1.5	<3.0×0.5
Beam diameter at the aperture (mm)	~5	~2×4
Beam height from base plate (mm)	20	
Operating temperature (°C)	20+/-5	
Operating current of Diode (A)	0-1.2	
Operating voltage of Diode (V)	~5.0	
Pins information	8: anode of diode; 3: cathode of diode	
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	5000	
Power supply (90-264VAC)	PSU-V-OEM (optional)	
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-H-447	Dimension	PSU-V-OEM	Dimension
 <p>85(L)×32(W)×31(H) mm<sup>3</sup>, 0.245 kg</p>		 <p>105(L)×47(W)×38(H) mm<sup>3</sup>, 0.20 kg</p>	