

### OEM-N-457/1-2500mW

### LD PUMPED ALL-SOLID-STATE BLUE LASER MODULE CORE


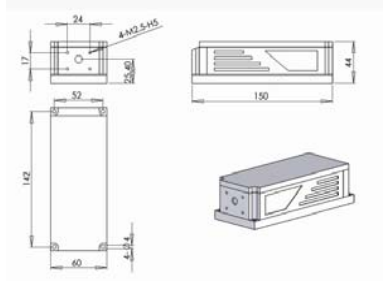
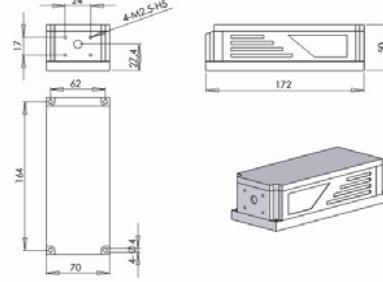
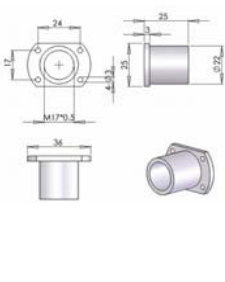

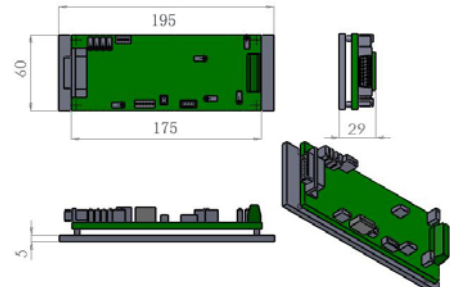

All solid state 457 nm blue laser module core is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.



#### SPECIFICATIONS

Wavelength (nm)	457 ± 1		
Output power (mW)	>1, 10, 20, 30, ..., 400	>400, 450, 500, ..., 800	>800, 1500, ..., 2500
Transverse mode	Near TEM <sub>00</sub>	Near TEM <sub>01</sub>	
Operating mode	CW		
Power stability (rms, over 4 hours) at 25°C	<3%, <5%, <10%		
Warm-up time (minutes)	<15		
M <sup>2</sup> factor	<2.0	<3.0	
Beam divergence, full angle (mrad)	<17		
Beam diameter at the aperture (mm)	~1.5		
Beam height from base plate (mm)	25.4 without TEC, 27.4 with TEC		
Operating temperature (°C)	22.5±/-2.5		
Operating current of Diode (A)	0-10		
Operating voltage of Diode (V)	~2.0		
Pins information	5,6,7,8: positive of diode; 12,13,14,15: negative of diode		
Power supply( two channels 6 & 12V)	PSU-OEM-N (key switch and emergency stop are available on request)		
Expected lifetime (hours)	5000		
Warranty time	The warranty is 3 months, excluding the LD failure.		
Dimension(mm)	150(L)×60(W)×44(H) without TEC, 172(L)×70(W)×50(H) with TEC		



OEM-N-457	Dimension ( Without TEC)	Dimension ( With TEC)	Accessories
	 150(L)×60(W)×44(H) without TEC	 172(L)×70(W)×50(H) with TEC	 Collimation system
PSU-OEM-N	Dimension	Power Supply Instruction	
		 V1: DC 6V 12A V2: DC 12V 8A	