

OEM-N-457/1-2000mW

LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 457 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)	457±1		
Output power (mW)	>1, 10, 20, 30, ..., 400	>400, 450, 500, ..., 800	>800, 1500, ..., 2000
Transverse mode	Near TEM ₀₀	Near TEM ₀₁	
Operating mode	CW		
Power stability (rms, over 4 hours) at 25 °C	<3%, <5%, <10%		
Warm-up time (minutes)	<15		
M ² 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	1. positive of diode, 3. negative of diode		
Expected lifetime (hours)	5000		
Warranty time	The warranty is 3 months, excluding the LD failure.		
Dimension(mm)	142(L)×60(W)×44(H) without TEC, 164(L)×70(W)×50(H) with TEC		



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

OEM-N-457	Dimension (Without TEC)	Dimension (With TEC)	Accessories
	<p>150(L)×60(W)×44(H) without TEC</p>	<p>172(L)×70(W)×50(H) with TEC</p>	<p>Collimation system</p>