

Low Noise Laser

Specifications

Model Number	LN-B457-2000-DB	
Optical Specifications		
Wavelength	457 nm	
Center Wavelength Deviation	+/- 1 nm	
Output Power	1000~1500 mW	1000~2000 mW
M ²	< 1.6	< 3.1
Longitudinal Mode	Multi	
Transverse Mode	Near TEM00	Near TEM01
Power Stability (over 4 hours) (rms)	< 10 % (optional: < 1%, < 3%, < 5%)	
Operating Mode	CW	
Polarization Ratio	> 100:1	
Beam Diameter at the Aperture (1/e ²)	~ 2.0mm	~ 3.0mm
Noise of Amplitude (rms, 1Hz-20MHz)	<1%, < 3 %	< 3%
Beam Divergence (Full Angle)	< 1.3 mrad	
Warm-up time	< 12 minutes	
Beam Height from Base Plate	68.5 mm	
Working Temperature	20 to 30 ° C	10 to 35 ° C
Cooling Mode	TEC / FANS	
Estimated Lifetime (MTTF)	10000 hours	
Warranty Time	1 year	
Mechanical Specifications		
Dimension of Laser Head	245 (L) x 99 (W) x 94 (H) mm	
Dimension of Power Supply	307 (L) x 150 (W) x 104 (H) mm	277 (L) x 145 (W) x 106 (H) mm
Dimensional Tolerances	+/- 1 mm	