

Low Noise Laser

Specifications

Model Number	LN-B457-10000-DB	
Optical Specifications		
Wavelength	457 nm	
Center Wavelength Deviation	+/- 1 nm	
Output Power	3000~10000 mW	
M ²	3~6	
Longitudinal Mode	Multi	
Transverse Mode	Near TEM01	
Power Stability (over 4 hours) (rms)	< 5 % (optional: < 3%,)	
Operating Mode	CW	
Polarization Ratio	> 100:1	
Beam Diameter at the Aperture (1/e ²)	~ 4.0mm	
Noise of Amplitude (rms, 1Hz-20MHz)	< 3%	
Beam Divergence (Full Angle)	< 2.1 mrad	
Warm-up time	< 12 minutes	
Pointing Stability after Warm-up	< 0.05	
Beam Height from Base Plate	93.5 mm	
Working Temperature	10 to 35 ° C	
Cooling Mode	TEC / FANS	
Estimated Lifetime (MTTF)	10000 hours	
Warranty Time	1 year	
Mechanical Specifications		
Dimension of Laser Head	346 (L) x 140 (W) x 125 (H) mm	
Dimension of Power Supply	336 (L) x 168 (W) x 133 (H) mm	307 (L) x 168 (W) x 123 (H) mm
Dimensional Tolerances	+/- 1 mm	