

Low Noise Laser

Specifications

Model Number	LN-B473-400-DB	
Optical Specifications		
Wavelength	473 nm	
Center Wavelength Deviation	+/- 1 nm	
Output Power	< 300 mW	300~400mW
M ²	< 1.3	< 1.6
Longitudinal Mode	Multi	
Transverse Mode	TEM00	Near TEM00
Power Stability (over 4 hours) (rms)	< 5 % (optional: < 1%, < 3%)	
Operating Mode	CW	
Polarization Ratio	> 100:1	
Beam Diameter at the Aperture (1/e ²)	~ 2.0mm	~ 3.0mm
Spectral Linewidth	< 0.003 nm	
Noise of Amplitude (rms, 1Hz-20MHz)	< 0.5 %, < 1 %	
Beam Divergence (Full Angle)	< 1.6 mrad	
Warm-up time	< 12 minutes	
Pointing Stability after Warm-up	< 0.05	
Beam Height from Base Plate	27.5 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	197 (L) x 70 (W) x 50 (H) mm	
Dimension of Power Supply	277 (L) x 145 (W) x 106 (H) mm	236 (L) x 145 (W) x 104 (H) mm
Dimensional Tolerances	+/- 1 mm	