

## Low Noise Laser

### Specifications

<b>Model Number</b>	<b>LN-B473-100-QN</b>
<b><i>Optical Specifications</i></b>	
Wavelength	473 nm
Center Wavelength Deviation	+/- 1 nm
Output Power	10 ~ 100 mW
M <sup>2</sup>	< 1.3
Longitudinal Mode	Multi
Transverse Mode	TEM00
Power Stability (over 4 hours) (rms)	< 5 % (optional: < 1%, < 3 %)
Operating Mode	CW
Polarization Ratio	> 100:1
Beam Waist	< 3.0 mm
Spectral Line Width	< 2 nm
Noise of Amplitude (rms, 1Hz-20MHz)	< 1%
Beam Divergence (Full Angle)	< 1.2 mrad
Warm-up time	< 6 minutes
Pointing Stability after Warm-up	< 0.05
Working Temperature	0 to 40 ° C
Cooling Mode	TEC / FANS
Estimated Lifetime (MTTF)	10000 hours
Warranty Time	1 year
<b><i>Mechanical Specifications</i></b>	
Dimension of Laser Head	/
Dimension of Power Supply	/
Dimensional Tolerances	+/- 1 mm