

Low Noise Laser

Specifications

Model Number	LN-IR1319-500-DB
Optical Specifications	
Wavelength	1319nm
Center Wavelength Deviation	+/- 1 nm
Output Power	1 ~ 500 mW
M ²	< 1.6
Longitudinal Mode	Multi
Transverse Mode	Near TEM00
Power Stability (over 4 hours) (rms)	< 5 % (optional: < 1%, < 3 %)
Operating Mode	CW
Beam Diameter at 1/e ² (mm)	~ 1.5 mm
Noise of Amplitude (rms, 1Hz-20MHz)	< 1%
Beam Divergence (Full Angle)	< 1.5 mrad
Warm-up time	< 12 minutes
Pointing Stability after Warm-up	< 0.05
Beam Height from Base Plate	29 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	141 (L) x 73 (W) x 46 (H) mm
Dimension of Power Supply	153 (L) x 155 (W) x 92 (H)mm
Dimensional Tolerances	+/- 1 mm