

Low Noise Laser

Specifications

Model Number	G561-200-DB
Optical Specifications	
Wavelength	561 nm
Center Wavelength Deviation	+/- 1 nm
Output Power	< 200 mW
M ²	< 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 Diameter at the Aperture (1/e ²)	0.7 mm (+/- 0.05)
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 40 ° C
Cooling Mode	TEC / FANS
Estimated Lifetime (MTTF)	10000 hours
Warranty Time	1 year
Mechanical Specifications	
Dimension of Laser Head	142 (L) x 60 (W) x 50 (H) mm
Dimension of Power Supply	236 (L) x 145 (W) x 104 (H) mm
Dimensional Tolerances	+/- 1 mm