

Single Longitudinal Mode Laser

Specifications

Model Number	SLM-IR1342-200-DB
Optical Specifications	
Wavelength	1342 nm
Center Wavelength Deviation	+/- 1 nm
Output Power	< 200 mW
M ²	< 2.1
Longitudinal Mode	Single
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)	< 2.0mm
Spectral Linewidth	< 0.00001 nm
Coherent Length	> 50 m
Noise of Amplitude (rms, 1Hz-20MHz)	< 0.5 %
Beam Divergence (Full Angle)	< 1.6 mrad
Warm-up time	< 12 minutes
Pointing Stability after Warm-up	< 0.05
Beam Height from Base Plate	24.9 mm
Working Temperature	15 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	133 (L) x 130 (W) x 62 (H) mm
Dimensional Tolerances	+/- 1 mm