

High Power Laser

Specifications

Model Number	HP-IR1319-1500-DB
Optical Specifications	
Wavelength	1319nm
Center Wavelength Deviation	+/- 1 nm
Output Power	1500 mW
M ²	< 2.1
Longitudinal Mode	Multi
Transverse Mode	Near TEM00
Power Stability (over 4 hours) (rms)	< 5 % (optional: < 1%, < 3 %)
Operating Mode	CW
Polarization ratio	> 100:1
Beam Diameter at 1/e ² (mm)	~ 3.0 mm
Beam Divergence (Full Angle)	<2.0 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	153 (L) x 77 (W) x 60 (H) mm
Dimension of Power Supply	238 (L) x 146 (W) x 102 (H)mm
Dimensional Tolerances	+/- 1 mm