

High Power Laser

Specifications

Model Number	HP-IR1319-50W-DB	
Optical Specifications		
Wavelength	1319 nm	
Center Wavelength Deviation	+/- 1 nm	
Output Power	20 W	50 W
Longitudinal Mode	Multi	
Single Pulse Energy	2 mJ	5 mJ
Rep. Rate	10~20 kHz	
Pulse width	~250 nm	
Peak Power	10 kW	30 kW
Power Stability (over 4 hours) (rms)	< 5% (optional: < 3%)	
Operating Mode	Q-switched	
Beam Diameter at the Aperture (1/e ²)	> 9 mm	> 12 mm
Beam Height from Base Plate	55 mm	
Warm-up time	< 12 minutes	
Working Temperature	15 to 35 ° C	
Cooling Mode	Water Cooled	
Estimated Lifetime (MTTF)	10000 hours	
Warranty Time	1 year	
Mechanical Specifications		
Dimension of Laser Head	390 (L) x 150 (W) x 130 (H) mm	
Dimension of Power Supply	380 (L) x 485 (W) x 90 (H) mm	
Dimension of Water Chiller	425 (L) x 525 (W) x 765 (H) mm	
Dimensional Tolerances	+/- 1 mm	