

HPL-1319-Q/20~50 W

WATER COOLING LD PUMPED ALL-SOLID-STATE Q-SWITCHED INFRARED LASER at 1319nm

All solid state Q-switched infrared laser at 1319nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.


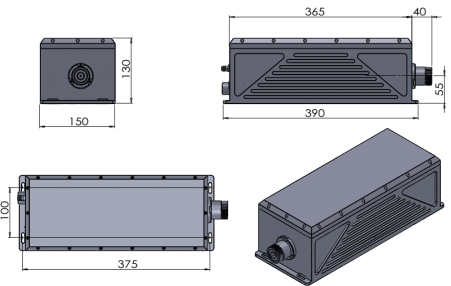




SPECIFICATIONS

Wavelength (nm)	1319±1	
Operating mode	Pulsed (Q-switched)	
Average power (W)	20	50
Pulse duration (ns)	~150	
Rep. rate (kHz)	10~20 (it is possible to customize other Repetition Rates)	
Single pulse energy (mJ)	2 @10kHz	5 @10kHz
Peak power (kW)	>10 @ 10kHz	>30 @10kHz
Ave power stability (over 4 hours)	<3% or <5%	
Beam diameter at the aperture (mm)	≥9	≥12
Beam height from base plate (mm)	55.0	
Warm-up time (minutes)	<10	
Cooled method	Water Cooled	
Operating temperature (°C)	15~35	
Power supply (220/110VAC)	PSU-HPL-Q(4U)	
Expected lifetime (hours)	10000	
Warranty period	1 year	



If you have any further requirement about the specification, please contact CNI sales.

HPL-1319-Q(20~50 W)	PSU-HPL-Q(4U)	Water chiller
  390 (L) ×150(W) ×130(H) mm³,7.5kg	 483 (L) ×323(W) ×176(H) mm³,13kg	 425 (L)×525(W)×765(H) mm³, 69kg(20W) 475 (L)×575(W)×805(H) mm³, 71kg,(50W)