

HPL-1319-Q/5~10mJ/50~100W

WATER COOLING LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER at 1319NM


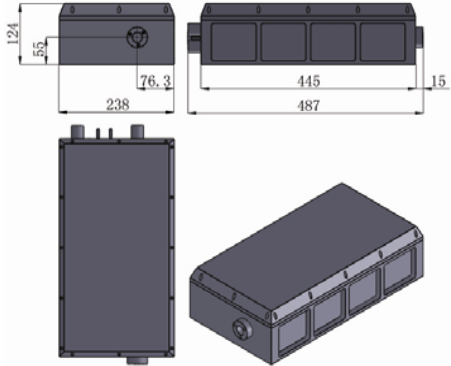

All solid state AOM Q-switched laser at 1319 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



SPECIFICATIONS

Wavelength (nm)	1319±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Single pulse energy (mJ)	5~10
Pulse duration (ns)	~130
Peak power (kW)	38~76
Rep. rate (kHz)	1~100, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 50~100@10kHz, typical
Ave power stability (over 4 hours)	<3%, <5%
Warm-up time (minutes)	<10
Beam diameter at the aperture (mm)	~15
Beam height from base plate (mm)	55.0
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



HPL-1319-Q	PSU-HPL-Q(4U)	Water chiller
 <p>487 (L) × 238(W) × 124(H) mm³, 14kg</p>	 <p>485 (L) × 325(W) × 92(H) mm³, 13kg</p>	 <p>504 (L) × 624(W) × 905(H) mm³, 95kg</p>