

HPL-589.159-Q/0.2~1.2mJ/1~6W

LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER


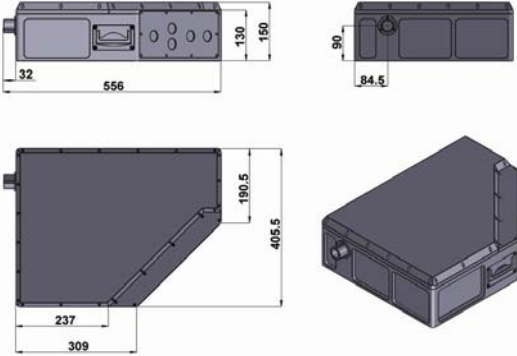


All solid state AOM Q-switched laser at 589.159nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in Laser Guide Star (LGS), Laser radar, Laser medical treatment, City view, Defense and so on.



SPECIFICATIONS

Wavelength (nm)	589.159±0.001
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Single pulse energy (mJ)	1.2mJ@5kHz
Pulse duration (ns)	~150
Pulse linewidth (GHz)	3
Spectrum tuning range (GHz)	15
Peak power (kW)	8
Rep. rate (kHz)	4~6, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 1~6@5kHz, typical
Ave power stability (over 4 hours)	<3%, <5%
Warm-up time (minutes)	<15
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (mm)	~10
Beam height from base plate (mm)	90
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-HPL-Q
Expected lifetime (hours)	10000
Warranty period	1 year



HPL-589.159-Q		PSU-HPL-Q-589.159	Water chiller
			
556(L) × 405.5(W) × 150(H) mm ³ , 33kg		550(L) × 610(W) × 800(H) mm ³ , 84kg	504 (L) × 624(W) × 905(H) mm ³ , 95kg