HPL-589.159-Q/1-5W

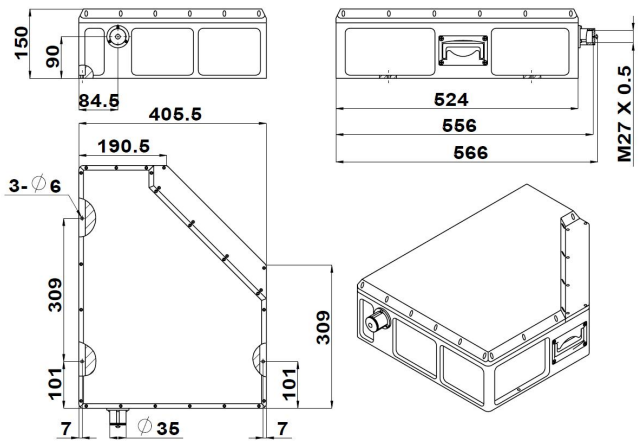
WATER COOLING LD PUMPED ALL-SOLID-STATE Q-SWITCHED YELLOW LASER AT 589.159nm

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, and so on.

SPECIFICATIONS

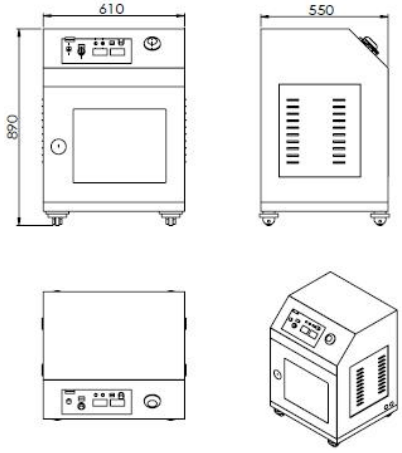
Wavelength (nm)	589.159±0.001
Operating mode	Actively
Average power (W)[1]	1-5 (nonadjustable)
Rep. rate [2]	5±1kHz
Pulse duration (ns)[3]	100-150@5W(nonadjustable)
Linewidth (GHz)	3
Spectrum tuning range (GHz)	15
Peak power (kW)	8
Power stability (rms)	<5%, <3%
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (mm)	~18
Warm-up time (minutes)	<15
Beam height from base plate (mm)	90
Cooled method	Water cooled
Operating temperature (℃)	15-35
Power supply (110/220VAC)	PSU-HPL-589.159
Expected lifetime (hours)	>10000

LASER HEAD



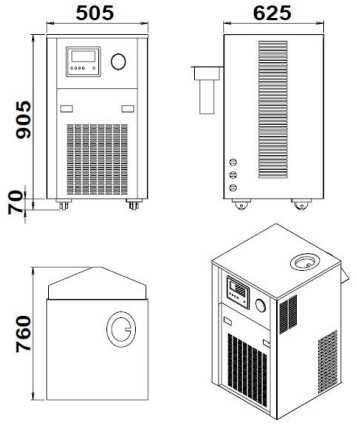
556(L) ×405.5(W) ×150(H) mm³，33kg

POWER SUPPLY



550(L) ×610(W) ×890(H) mm³，84kg

WATER CHILLER (WCH-3600)



505 (L)×625(W)×975(H) mm³, 95kg

1 Fixed output power.

2 Trigger frequency not tunable.

3 Pulse duration not tunable.