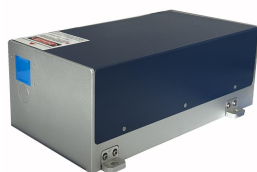




AO-K-560/300mW/500mW/2W/3W/5W



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

All solid state AOM Q-switched laser at a wavelength of 560nm has the features of high peak power and short pulse duration, which is used in Photoacoustic imaging, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	560±1				
Operating mode	Actively				
Average power (mW)	500@5kHz	300@1kHz	2000@5kHz	3000@20kHz	5000@100kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)				
Single pulse energy (uJ)	>100@5kHz	>300@1kHz	>400@5kHz	>150@20kHz	>50@100kHz
Rep. rate (kHz) ¹	1-10			20-50	30-100
Pulse duration (ns) ²	~13@5kHz	~5@1kHz	~10@5kHz	~5@20kHz	~5@100kHz
Peak power (kW)	~8@5kHz	~60@1kHz	~40@5kHz	~30@20kHz	~10@100kHz
Power stability (rms, 4 hours ± 3°C)	<5% ,<3%,<2%				
Beam divergence, full angle (mrad)	<4				
Beam diameter at the aperture (1/e², mm)	~1				
Polarization ratio	>100:1, Vertical				
Beam height from base plate (mm)	94	79.5			
Warm-up time (minutes)	<10				
Cooled method	Air cooled (AO-K-560-I)	Water cooled (AO-K-560-II)			
Operating temperature (°C)	15-35				
Operating voltage (VDC)	24V/20.9A				
Expected lifetime (hours)	>10000				



LASER HEAD (Driver Integrated) (AO-K-560-I)	LASER HEAD (Driver Integrated) (AO-K-560-II)	POWER SUPPLY PSU-24 (100-240VAC) optional	POWER SUPPLY PSU-24-P ³ (100-240VAC) optional	WATER CHILLER (WCH-580)
 440 (L) × 205 (W) × 146 (H) mm ³	 290 (L) × 176 (W) × 109 (H) mm ³	 356 (L) × 100 (W) × 42 (H) mm ³ , 2.2kg	 210 (L) × 150 (W) × 112.3 (H) mm ³ , 2.75 kg	 369.8 (L) × 258.4 (W) × 240.6 (H) mm ³ , 10.5 kg

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

3 Parameters can be adjusted.(on/off, Rep. Rate, etc.)

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