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532nm 1mJ 3W at 3kHz LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



Specifications

型号 Model No.	FU-AO-U-532-1mJ3kHz
波长 Wavelength (nm)	532±1
工作模式 Operating mode	Acousto-Optic Q-switched
平均功率 Average Power (W)	1~3W(3W@3kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate
单脉冲能量 Single pulse energy(mJ)	1mJ @3kHz
重复频率 Rep. rate(kHz)	1~10
脉宽 Pulse duration(ns)	Typically <15@3kHz, varies from power and repetition.
峰值功率 Peak power(kW)	1~66 (66kW@3kHz)
功率稳定性 Ave power stability(over 4 hours)	<5%, <3%, <2%, <1%
预热时间 Warm-up time(minutes)	<10
光束发散角 Beam divergence, Full Angle(mrad)	~4.5
光束质量因子 M ² factor	<1.2
孔径处光束直径 Beam diameter at the aperture(1/e ² ,mm)	~1.0
偏振比 Polarization ratio	>100:1, Vertical
光束高度 Beam height from base plate(mm)	70.5
冷却方式 Cooled method	Air cooled
工作温度 Operating temperature(℃)	10~35
供电电压 Power supply(220/110VAC)	FU-PSU-AOM
激光头尺寸/重量 Laser head dimension(mm) / Weight	281*115*97(L*W*H) / 2.84kg
电源尺寸/重量 Power supply dimension(mm) / Weight	388*311*135(L*W*H) / 9.6kg

