

AO-Z-1064 / 1~400uJ/8~13W

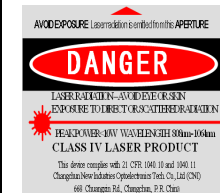
SPECIFICATIONS


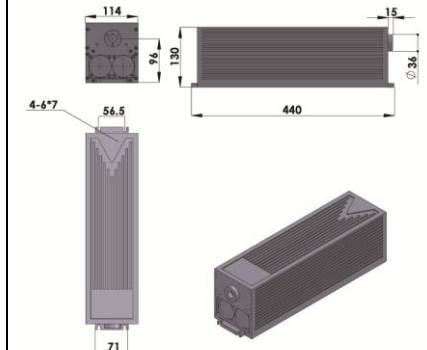

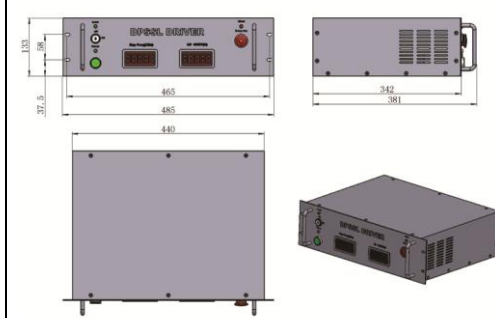
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at 1064 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.



Wavelength (nm)		1064±1			
Operating mode		CW Q-switched: AOM (Acousto-Optic Modulation)			
Output power	@ CW mode	1~13W			
	@ Q-switched mode	>95% @ 30kHz, typical			
Single pulse energy (μJ)		1~400			
Pulse duration (ns)		<40@30kHz	<50@50kHz	<70@100kHz	<120@200kHz
Peak power (kW)		~10			
Rep. rate (kHz)		1~200, adjustable by external control			
Ave power stability (over 4 hours)		<1%, <3%, <5%, <10%			
Warm-up time (minutes)		<10			
Beam divergence, full angle (mrad)		<1.5			
Beam diameter at the aperture (mm)		~4.0			
Beam height from base plate (mm)		96			
Polarization ratio		>100:1			
Cooled method		Air cooled			
Operating temperature (°C)		15~35			
Power supply (220/110VAC)		PSU-AOM(3U)			
Expected lifetime (hours)		10000			
Warranty period		1 year			
Pilot light		5mW @ 650nm			



AO-Z-1064	Dimensions	PSU-AOM(3U)	Dimensions
 <p>440(L)×114(W)×130(H) mm³, 9.8 kg</p>	 <p>114, 96, 130, 440, 15, 56.5, 71</p>	 <p>485(L)×381(W)×133(H) mm³, 12.4 kg</p>	 <p>133, 381, 485, 440, 342, 381</p>