

AO-Z-1064 /8~12W

SPECIFICATIONS

AO-Z SERIES 1064NM LASER SOURCE FOR LASER MARKING

AO-Z-1064 laser 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	Q-switched			
Output power (W)	8, 10, 12			
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)	20000			
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, 130, 15, 440, 71, 56.5, 4-6*7</p>	<p>485(L) ×381(W) ×133 (H) mm³, 12.4 kg</p>	<p>133, 381, 485, 465, 485, 381, 480</p>