

AO-Z-532 /5~8W

AO-Z SERIES 532NM LASER SOURCE FOR LASER MARKING

AO-Z-532 laser has the features of high peak power, high repetition rate, and short pulse duration, which is in marking on materials that are hard, such as highly reflective metals: silver and gold; semiconductors: including silicon, gallium arsenide and germanium, and rubbers such as silicone.



SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Q-switched
Output power (W)	5, 8
Single pulse energy (μJ)	1~400
Pulse duration (ns)	<60@30kHz
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)	<2
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 (optional)	5mW @650nm



AO-Z-532	Dimensions	PSU-AOM(3U)	Dimensions
<p>440(L)×114(W)×130(H) mm³, 9.8 kg</p>	<p>114, 96, 130, 440, 15, 7L, 56.5, 4-6*7</p>	<p>485(L)×381(W)×133(H) mm³, 12.4 kg</p>	<p>133, 37.5, 45.5, 48.5, 440, 342, 381</p>