

长春新产业光电技术有限公司

Changehun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

AO-V-532 /1~300uJ/5~8W

SPECIFICATIONS

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 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.



Wavelength (nm)		532±1	
Operating mode		Q-switched: AOM (Acousto-Optic Modulation)	
Output power (W)	@CW mode	7	
	@Q-switched mode	>8@30kHz, typical	
Single pulse energy (µJ)		1~300	
Pulse duration (ns)		<30@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	AVOD EXPOSURE Lasormakion to enter from the APERTURE
Beam divergence, full angle (mrad)		<2	DANGER
Beam diameter at the aperture (mm)		~4.0	
Beam height from base plate (mm)		96	LASER RALKOLN-AVOIDENE OR SEN ENCODER TO DREE TO RECOMPEDIATION
Polarization ratio		>100:1	PEACOMPOSITION WASHINGTH Some Some
Cooled method		Air cooled	This denor complex with 21 CFR 1040 10 and 1040 11 Changehan New Makings (Jacket Annu 1966), 124 (CFG)
Operating temperature (°C)		15~35	660 Changtin Rd, Chengthan, P.R. Chen-
Power supply (220/110VAC)		PSU-AOM(3U)	
Expected lifetime (hours)		10000	
Warranty period		1 year	
Pilot light (optional)		5mW @650nm	

AO-V-532	Dimensions	PSU-AOM(3U)	Dimensions
420(L)×142(W) ×144(H) mm ³ , 10.2 kg	4-M4 : 10 22 M22X0.75 22 M22X0.75 420 420 420 420 14-M6 : 7 50_50_50_50_50_50_50	485(L) ×381(W) ×133 (H) mm ³ , 12.4 kg	