

DATA SHEET

AO-Mini-E-266/1-12μJ



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

All solid state AOM Q-switched laser at 266nm has the features of high peak power and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.







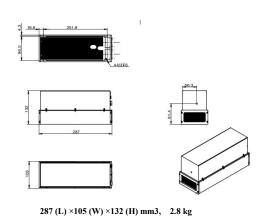


SPECIFICATIONS

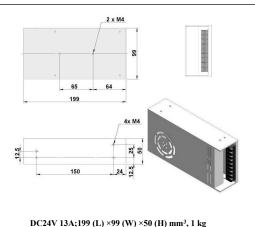
Wavelength (nm)	266 ± 1
Operating mode	Acousto-Optic Q-switched
Average power (mW)	30mW@2.5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (µJ)	>12@2.5kHz
Rep. rate (kHz)	2.5
Pulse duration (ns)	~8
Peak power (kW)	~1
Ave power stability (over 4 hours)	<5%, <3%, <1%
Transverse mode	TEM00
Beam divergence, full angle (mrad)	< 3
Beam diameter at the aperture (1/e², mm)	~0.5
Polarization ratio	>100:1, Horizontal
Warm-up time (minutes)	<10
Beam height from base plate (mm)	81.4mm (heat sink included)
Cooled method	Air Cooled
Operating temperature (°C)	10~35
Supply Voltage	DC 12V/25A (PSU-12/ PSU-12-P optional)



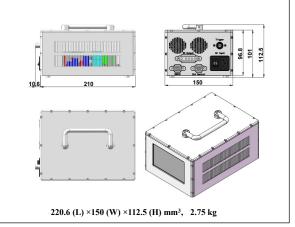
AO-Mini-E-266 Integrated electronics (heat sink included)



PSU-12¹⁰ (Power supply 100-240VAC)



PSU-12-P² (Power supply 100-240VAC)



Note:

- ①Adaptor for 12V/25A.
- 2) Adaptor for 12V/25A, and power control function is inlcuded.