

**SP-CG-639**LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER at  
639nm

PHANOS

# SP-CG-639

## AOM Q-SWITCHED LASER at 639nm

Phanos Scientific  
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The all-solid-state AOM Q-switched laser operating at 639 nm is characterized by its ultra-compact design, long lifetime, low cost, and ease of operation. It is widely used in applications such as measurement, spectrum analysis, and laser light shows.

<b>Wavelength (nm)</b>	639±1
<b>Operating mode</b>	Acousto-Optic Q-switched
<b>Average power (W)</b>	1~1300mW (800mW@10kHz,1300mW@20kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
<b>Single pulse energy (μJ)</b>	1~80 (80μJ @10kHz,65μJ @20kHz)
<b>Rep. rate (kHz)</b>	1~20
<b>Pulse duration (ns)</b>	<30 @10kHz, varies from power and repetition
<b>Peak power (kW)</b>	1~2.6 (2.6kW@10kHz)
<b>Ave power stability (over 4 hours)</b>	<3%, <5%
<b>Warm-up time (minutes)</b>	<10
<b>Beam divergence, full angle (mrad)</b>	<2
<b>Beam diameter at the aperture (1/e<sup>2</sup>, mm)</b>	~1.5
<b>Beam height from base plate (mm)</b>	On request
<b>Cooled method</b>	Water cooled
<b>Operating temperature (°C)</b>	10~35
<b>Power supply (220/110VAC)</b>	On request
<b>Expected lifetime (hours)</b>	10000

Note: Specifications subject to change without notice.



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