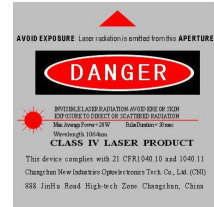




AO-F-639/1~60μJ/600~1000mW

**LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER AT 639 nm**

CNI's all solid state AOM Q-switched laser at 639 nm is made features of ultra compact, long lifetime, low cost and easy operating, it is widely used in measurement, spectrum analysis, and laser lighting show etc.



**SPECIFICATIONS**

|  |   |
|--|---|
| Wavelength (nm)                                      | 639±1   |
| Operating mode                                       | Acousto-Optic Q-switched  |
| Average power (W)                                    | 600~1000mW (600mW@10kHz,800mW@20kHz,1000mW@30kHz)<br>Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) |
| Single pulse energy (μJ)                             | 1~60(60μJ @10kHz)   |
| Rep. rate (kHz)                                      | 10~30   |
| Pulse duration (ns)                                  | Typically ~50 @10kHz, varies from power and repetition.   |
| Peak power (kW)                                      | 1~1.2 (1.2kW@10kHz)   |
| Ave power stability (over 4 hours)                   | <3%, <5%  |
| Warm-up time (minutes)                               | <10   |
| Beam divergence, full angle (mrad)                   | <2  |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~1.5  |
| Beam height from base plate (mm)                     | On request  |
| Cooled method  | Water cooled  |
| Operating temperature (°C)                           | 10~35   |
| Power supply (220/110VAC)                            | On request  |
| Expected lifetime (hours)                            | 10000   |
| Warranty period                                      | 1 year  |