

DATA SHEET

OEM-AO-2120/1~3W

## LD PUMPED ALL-SOLID-STATE **INFRARED LASER AT 2120nm**

All solid state AOM Q-switched laser at 2120nm infrared laser is made features of high peak power, good beam quality and easy operating, which is widely used in material processing especially for plastics and for pumping of laser sources for the mid infrared region, medical procedures such as precise tissue ablation, ophthalmic surgery or dentistry, suppresses the bleeding during operations, etc.







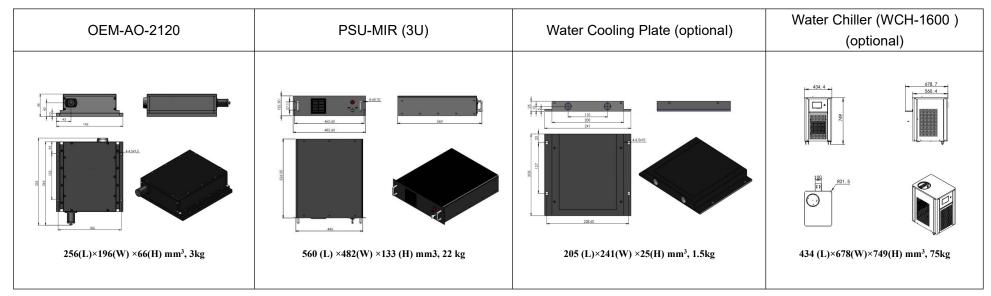


## **SPECIFICATIONS**

| Wavelength (nm)                         | 2120±2                   |
|---|--------------------------|
| Operating mode                          | Acousto-Optic Q-switched |
| Output power (W)                        | 1~3                      |
| Pulse duration(ns)                      | ~60@10kHz&3W             |
| Rep.rate (kHz)                          | 10                       |
| Single pulse energy (µJ)                | 100~300                  |
| Peak power (kW)                         | 5                        |
| Beam divergence, full angle (mrad)      | <3                       |
| Beam diameter at the aperture (1/e²,mm) | <4                       |
| Power stability (rms, over 4 hours)     | <3%, <5%                 |
| Beam height from base plate (mm)        | 40                       |
| Warm-up time (minutes)                  | <10                      |
| Operating temperature (°C)              | 10~30                    |
| Power supply                            | PSU-MIR (3U)             |
| Expected lifetime (hours)               | 10000                    |
| Warranty period                         | 1 year                   |







Tel: +86-431-85603799 Fax: +86-431-87020258 Website: http://www.cnilaser.com E-mail: sales@cnilaser.com

