

## Q-SWITCHED INFRARED LASER

**AO/MPL series 1064/946/1047/1053/1313/1319/1342 nm**



### Description

The output power of 1064/946/1047/1053/1313/1319 /1342nm infrared laser system ranges from 1mW up to 20W. Laser system is TEC cooled and designed to be operated and maintained easily. Different power stabilities are available.

### Feature

Wavelength: 1064/946/1047/1053/1313/1319/1342 nm

Operating longitudinal mode Several

Expected lifetime 10000 hours

Warranty period 1 year

### Application

Scientific experiment

Solar material

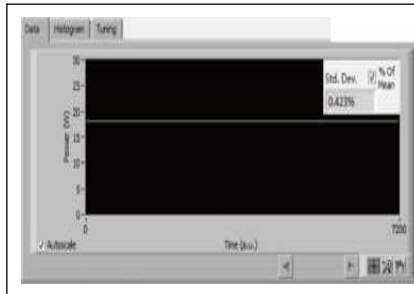
processing Material

processing Laser marking and engraving

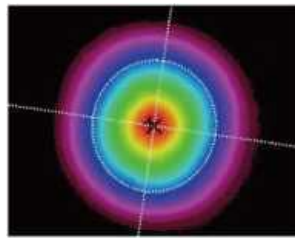
### Specification

Wavelengths (nm)	1064		946, 1053, 1047, 1313, 1319, 1342 available
Model number	AO series	MPL series	MPL series
Max average power (W)	20@30KHz	6@ free run rep. rate	Contact CNI sales for further information
Max single pulse energy (uJ)	800	240	/
Repetition rate (KHz)	1-200	0-35	/
Pulse width (ns)	8-75	1-8	1
Beam divergence (mrad)	<1.5		
Beam diameter at 1/e <sup>2</sup> (mm)	-1.2		
M2	<1.2		

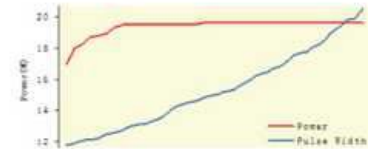
Power stability (rms)	<3%, <5%
Pointing stability (mrad)	<0.05
Polarization ratio	>100:1
Operating temperature fC)	10-35
<ul style="list-style-type: none"> <li>• Customized Options: Power tunability and display, TTL modulation, Analog modulation, Fiber coupling, RS-232 interface, Beam expander</li> </ul>	



Power stability



Beam profile



pulse with and power chart