



## PICOPOWER 10 IR / 5 G



### Features

- \* Reliable Operation
- \* Inherently Low Noise <0.5%
- \* Diode-Pumped All Solid-State
- \* Efficient Third & Fourth Harmonic Generation
- \* Superior to CW Frequency Doubled Green Lasers

Active medium	Nd:YVO4
Wavelength	1064nm or 532nm
Pulse duration	<10ps (other pulse duration on request)
Repetition rate	100 MHz (other rep. rate on request)
Beam quality	TEM <sub>00</sub>
Beam diameter(1/e <sup>2</sup> )	1mm at the output
Divergence	1mrad
Pointing stability	40 μ rad or urad
CW output power	PICOPOWER 10 IR @1064nm ≥10W PICOPOWER 5 G @532nm ≥5W
Stability	<1% peak-to-peak
Polarization	>300:1 linear
Optical noise (30Hz-2MHz)	<0.5%
Life expectancy	>10000hours

### DIODE-PUMPED CW SOLID-STATE LASERS

## MONOPOWER-Series



CW: Blue, Green, Red, Infrared

- \* Novel Proprietary Design for Single Mode Operation
- \* Very Low Noise: <0.5%

Wavelength	B:473nm, G:532nm, IR:1064nm
CW output power	10mW - 10W
Stability	<1% peak-to-peak
beam quality	TEM <sub>00</sub>
Divergence	1 / 3 mrad
Beam Diameter(1/e <sup>2</sup> )	0.5 / 1 mm at the output
Pointing Stability	50 μ rad
Polarization	>300:1 linear
Optical noise (30Hz-2MHz)	<1%, typical <0.5%
Life Expectancy	>10000hours

### DIODE-PUMPED Q-SWITCHED SOLID-STATE LASERS

## PULSELAS-Series



### Features

- \* Actively and Passively Q-Switched
- \* Extremely Compact
- \* Models with repetition up to 100 kHz

Model	PULSELAS-P-1064-100(*)	PULSELAS-P-1064-300-FC(*)	PULSELAS-A-1064-500
Wavelength(nm)	1064	1064	1064
Type of Q-switching	Passive	Passive	Active
Energy/Pulse (μJ, ±10%)	6 - 10 @ 5kHz	15 - 20 @ 5kHz	40 @ 1kHz
Average power(mW)	type 100 @ 10kHz	type. 300 @ 20kHz	type. 500 @ 25kHz
Beam Profile	TEM <sub>00</sub>	TEM <sub>00</sub>	TEM <sub>00</sub>
Polarization Ratio	>100:1	>100:1	>100:1
Beam Diameter(mm)	0.3	0.3	0.3

(\*) Externally triggerable options

and internal frequency generator options available for up to 5 kHz.

