

## UKKO NS-532/1064

### NANOSECOND FIBER LASERS



#### UKKO-NS-532-30-80

- Up to 80 uJ peak power
- Up to 10 W average power
- Free space output

#### UKKO-NS-1064-100-250

- Up to 250 uJ peak power
- Up to 40 W average power
- Fiber and free space output

## Specifications

Model (UKKO-NS-...)	532-30	532-80	1064-100	1064-250
Central wavelength	532 ± 1 nm		1064 ± 1 nm	
Laser pulse repetition rate range	10–10 000 kHz			
Max. average output power	Up to 10 W		Up to 40 W	
Max. pulse energy	30 µJ	80 µJ	100 µJ	250 µJ
Power long term stability over 8 h after warm-up (Std.dev.)	< 1.0 %			
Pulse duration (FWHM) at 1064 nm	0.7–5 ns	0.7–100 ns	0.7–5 ns	0.7–100 ns
M <sup>2</sup> parameter	< 1.3			
Linewidth (FWHM), nm	< 200 pm			
Polarization (PER)	> 20 dB	> 20 dB	> 20 dB	> 15 dB
Beam circularity, far field	> 0.85			
Beam divergence, full angle	< 3 mRad			
Astigmatism	< 0.1			
Beam diameter (1/e <sup>2</sup> ) at 50 cm distance from laser aperture	1±0.2 mm			
Output	Free space	Free space	1) bare fiber 2) collimator	Free space
Control interfaces	RS232, LAN, USB, external TTL triggering, TTL signal output synchronized with optical pulse			
Mains requirements	24 VDC			

\* two options for cooling: conduction cooling and aircooling (heatsink module with fans)

## Drawings

