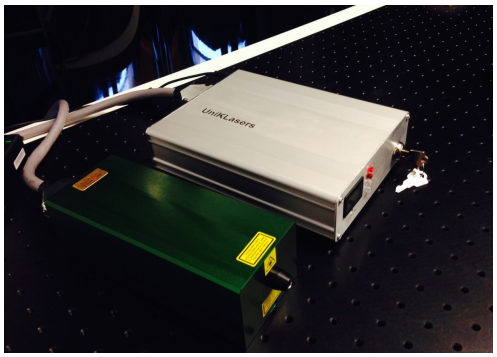
UNIKLASERS

Dedicated to Innovation

BRaMMS-Duetto - 515/XXXX

- from 50mW to 1W output power at 515nm SLM
- feedback locked Single Longitudinal Mode CW operation
- mode hops and lock loss free
- very low noise performance
- excellent beam quality from smallest footprint
- lowest power consumption for given output



BRaMMS – Duetto - 515/1000

	Units	
Output Beam Parameters:		
Output Power (fixed values within range)	mW	50 - 1000
Power Control (optional)	—	Externally via manual power adjuster (MPA)
Wavelength	nm	515 ± 0.3
Beam Spatial Mode	—	TEM_{00}
Beam Diameter at output aperture	mm	1.0 ± 0.2
Beam Divergence	mrad	< 1, diffraction limited
Beam Pointing Stability	µrad/°C	≤ 5
Longitudinal Mode Structure	—	SLM
Line Width	MHz	< 0.5
Line Spectral Position Stability (±5 °C, 4 hours)	pm	±1.2
Coherence Length	m	> 100
Mode Hops Free Fine Tuning Range (optional)	GHz	30 - 50 (TBD)
Polarisation	—	Linear, Vertical; ≥100:1
Output Power Noise (10Hz – 10MHz)	%	≤ 0.1rms, ≤ 1p-p
Output Power Stability (4 hours, ±5 °C)	%	≤2
Environmental:		
Working Temperatures	°C	15 – 35, conductive cooling via mounting interface
Storage Temperatures	°C	-20 to 75
Humidity	%	5 -95, non-condensing
Warm up time	min	<15
Dimensions and Electrical:		
Supply Voltage	DC	19
Power Consumption (at 25 °C)	W	<90

Fixed output power turnkey system, CW operation, factory aligned and sealed.
Specification may be subject to change without notice.

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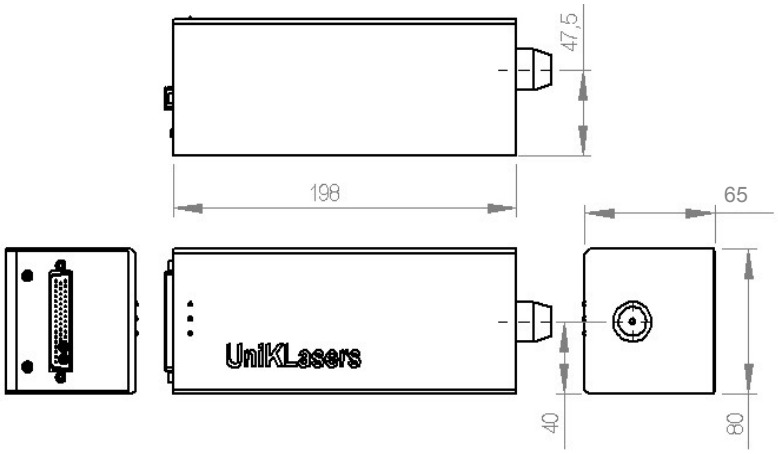
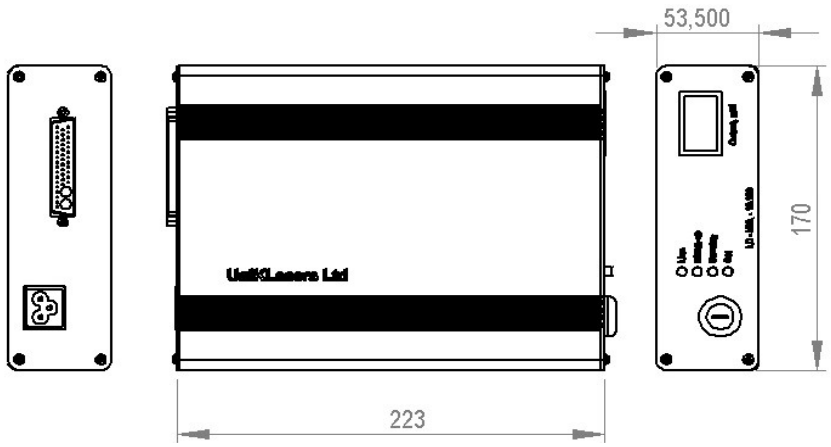
BRaMMS-Duetto - 515/XXXX Laser Head and Controller Dimensional Specification

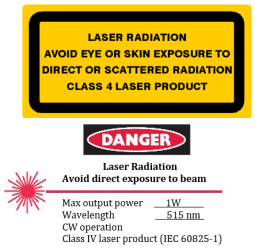
Laser Head: 80x 65x 198mm



Controller

170x 53.5x 223mm





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