

BRaMMS - Solo - 640/XXXX

- up to 1.5W output power at 640nm
- feedback locked Single Longitudinal Mode CW operation
- mode hops and lock loss free
- very low noise performance, < 0.1% rms
- excellent beam quality from smallest footprint
- lowest power consumption for given output



BRaMMS – Solo – 640/1000

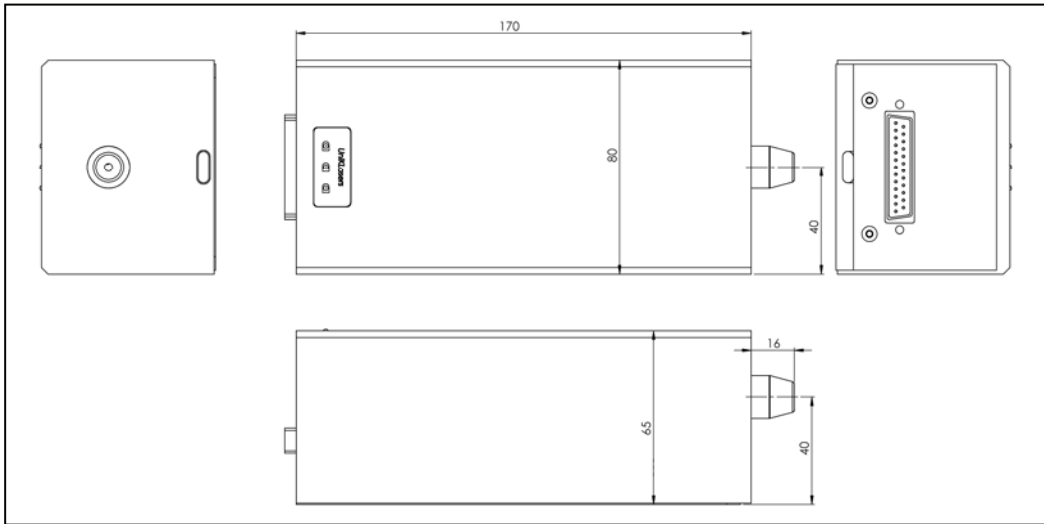
	Units	
Output Beam Parameters:		
Output Power (CW)	mW	50-1500
Wavelength	nm	640
Output Beam Diameter, TEM ₀₀	mm	0.8-1.0; M ² <1.2
Beam Divergence, FW@e ⁻²	mrاد	< 0.5, diffraction limited
Beam Pointing Stability	μrad/°C	≤ 5
Longitudinal Mode Structure		SLM
Line Width	MHz	< 1
Line Spectral Position Stability	MHz (pm)	+/- 100 within 4 hrs of non-stop CW operation
Coherence Length	m	> 100
Mode Hops Free Fine Tuning Range	GHz	50 – 70 (optional)
Polarisation		Linear, Vertical; ≥200:1
Output Power Noise	%	≤ 0.1rms, ≤ 1p-p (10Hz – 10MHz)
Output Power Stability	%	≤2, within any 4 hours of non-stop CW operation
Environmental:		
Working Temperatures	°C	15 – 35, conductive cooling via mounting interface
Storage Temperatures	°C	-20 to 50
Humidity	%	5 -95, non-condensing
Warm up time	min	<15
Dimensions and Electrical:		
Supply Voltage	DC	19
Power Consumption	W	<60
Fixed output power turnkey system, CW operation, factory aligned and sealed. Specification may be subject to change without notice.		

sales@uniklasers.com

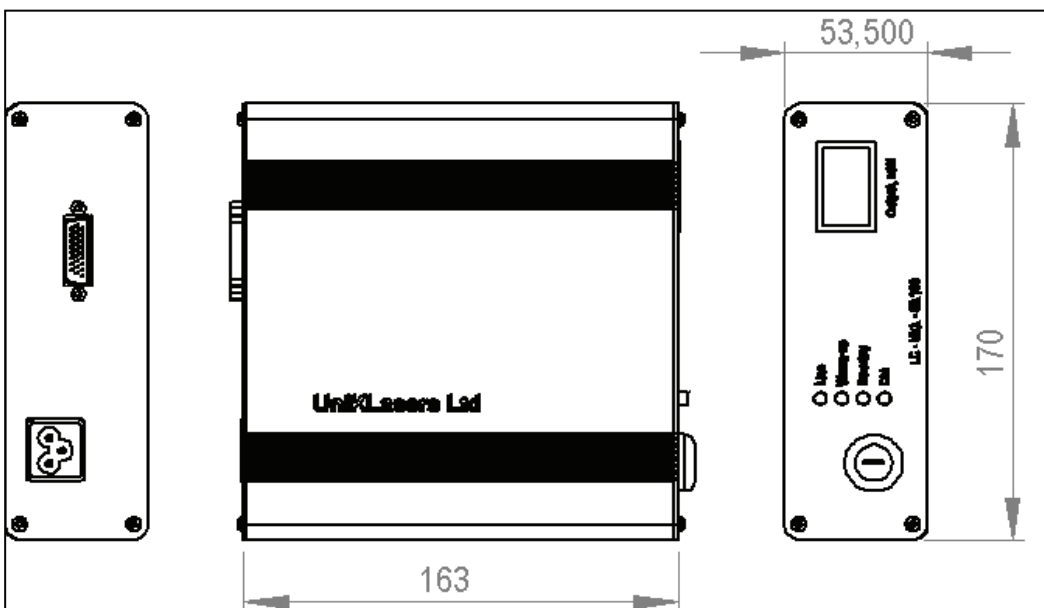
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BRaMMS-Solo - 640/XXXX Laser Head and Controller Dimensional Specification

Laser Head 80x 65x 170mm;



Controller 170x 53.5x 163mm



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