

**SB1-473-9-0.1**

**Spec. #: SB1-21304**

## Microchip Laser



### MAIN FEATURES

- 473 nm
- < 2 ns
- > 9 uJ
- Single Longitudinal Mode
- All-In-One Miniature Design

### Technical Specifications

Technical Specifications		
Output Wavelength	473	nm
Pulse Repetition Rate	0.1	kHz
Pulse energy	> 9	uJ
Pulse Width	< 2	ns
Peak Power	> 4	kW
Short Term Output Energy Instability (St.Dev. Over > 10000 samples)	< 3 %	
Long Term Output Power Instability (Power log over 24 hours)	< 5 %	
Beam Quality (M <sup>2</sup> )	< 1.5	
Output Beam Dimensions (H x V) at Exit Aperture (1/e <sup>2</sup> ) without beam expander	< 0.2 x 0.18	mm
Beam Divergence (H x V, half angle) without beam expander	< 0.7 x 4.5	mrad
Beam Ellipticity (axes ratio)	> 0.80	
Warm Up time after cold start	< 5	min
Power Consumption	< 20	W
Mechanical Package	SB1	
Operational Temperature Range	+10°C to +40°C	
Storage Temperature Range	-20°C to +60°C	

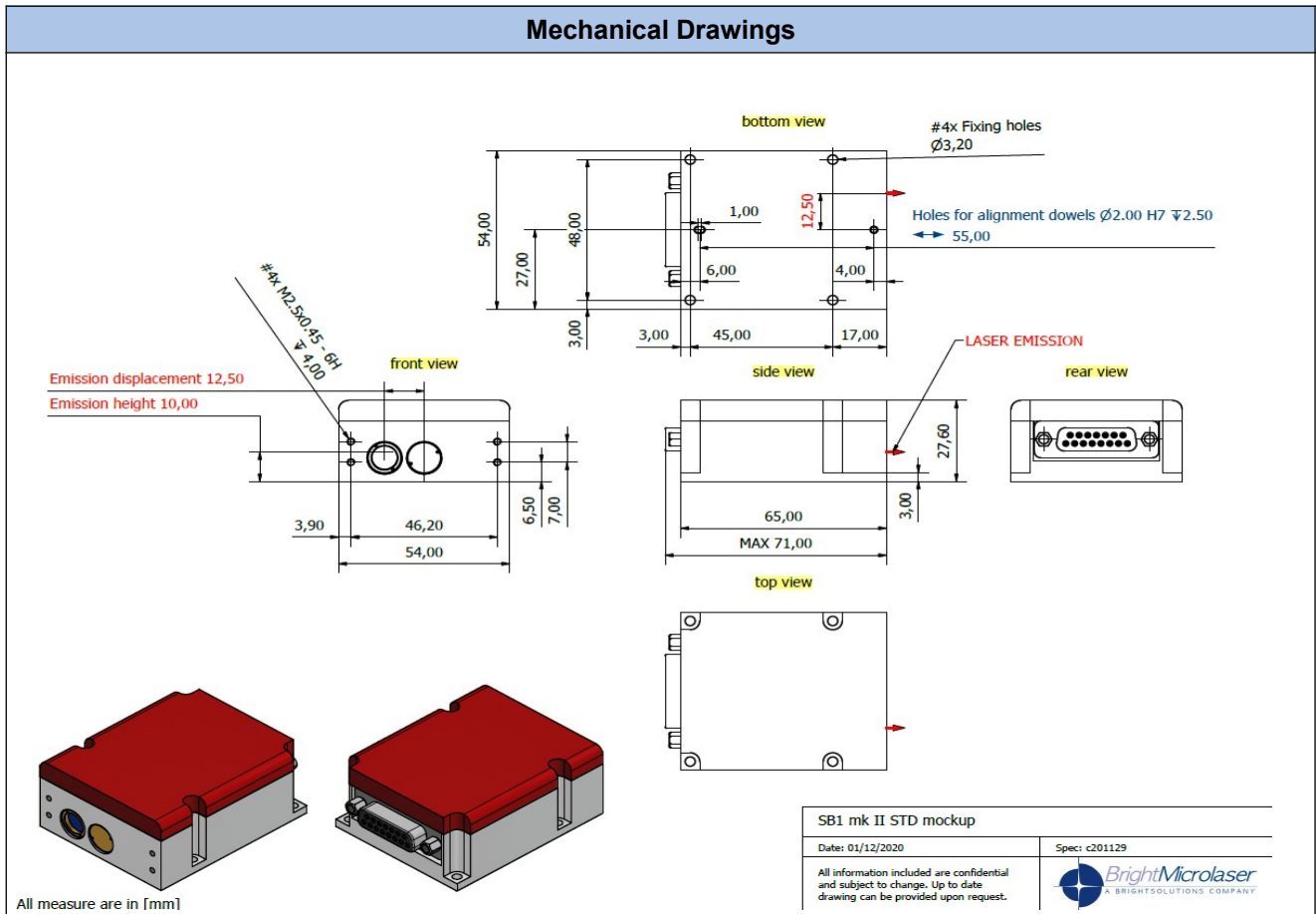
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Updated data sheets can be provided on request.

For further details, please contact your local **Bright Microlaser** sales representative or visit our website at [www.brightmicrolaser.com](http://www.brightmicrolaser.com)

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## Mechanical Drawings



### Options Available:

- Beam Expander and Collimator
- Heat-sink
- Development kit
- Quick start/evaluation kit

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