

200W, 976nm, 200µm, Fiber-Coupled, Conduction-Cooled, Tailored Bar Module



Features

- Conduction-cooled diode laser bars inside
- Single wavelength
- High coupling efficiency

Optional Accessories

- Integrated power meter
- Wavelength stabilization
- Back reflection filter
- Integrated NTC temperature sensor



Device Specification

Optical Parameters ¹		Units	
Center Wavelength ²	nm		976
Wavelength Tolerance	nm		±2
Output Power ³	W		200
Spectral Width (FWHM)	nm		<5
Slope Efficiency	W/A		>6.0
Fiber Parameters			
Fiber Core Diameter	µm		200
Numerical Aperture	NA		0.22
Fiber Connector			SMAQ
Electrical Parameters ¹			
Power Conversion Efficiency	%		>45
Threshold Current (I_{TH})	A		<3.5
Operating Current (I_{OP})	A		<40
Operating Voltage (U_{OP})	V		<11.5
Thermal Parameters			
Operating Temperature ^{3, 4, 5}	°C		+20 to +25
Storage Temperature ⁵	°C		+5 to +60
Coolant Flow Rate	l/h		>150
Water Temperature	°C		+20 to +25
Purity			Tap Water

¹Data at 20°C cold plate temperature, unless otherwise stated.

²Others available upon request.

³Reduced lifetime if used above nominal operating conditions.

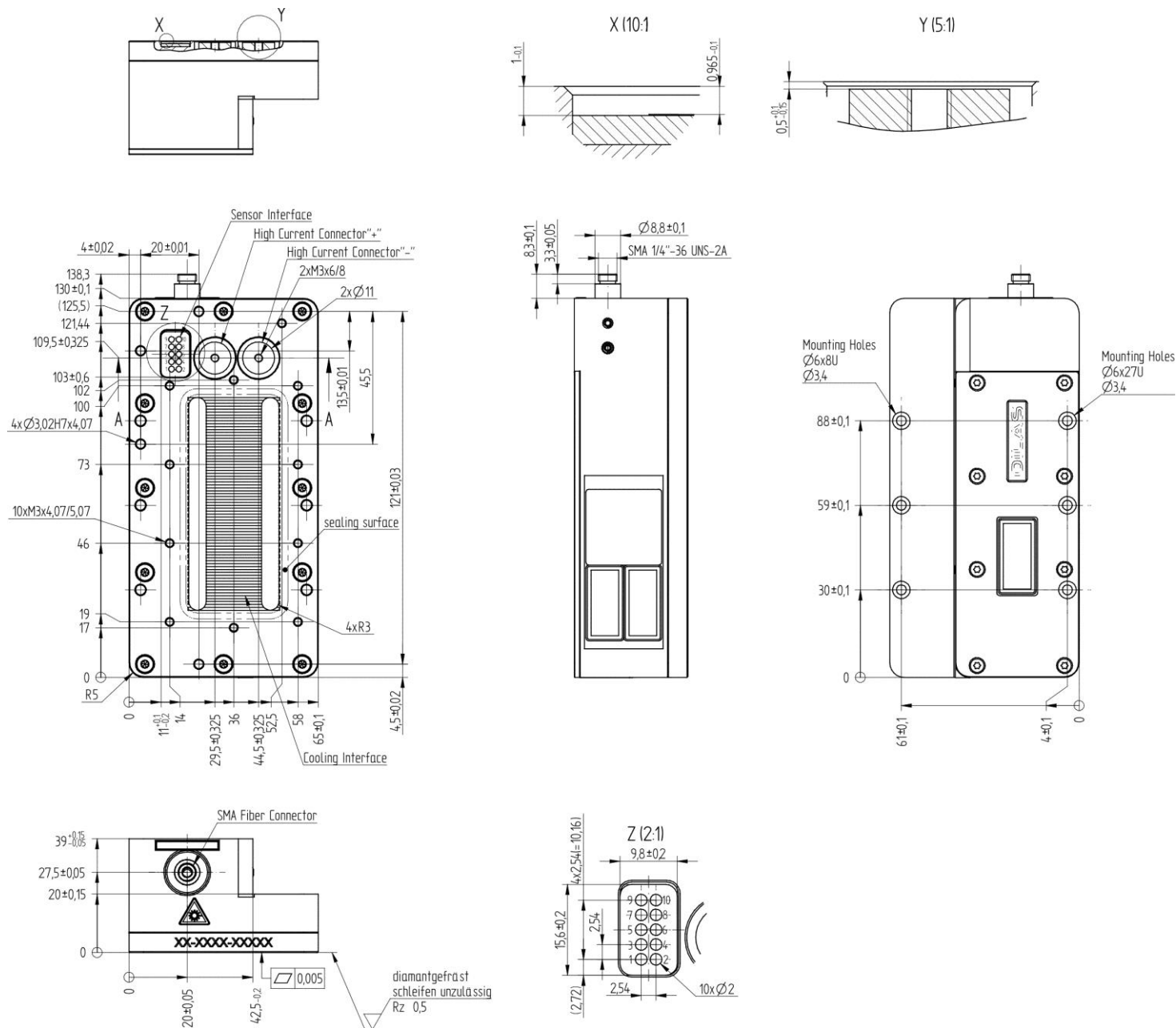
⁴Additional information available upon request.

⁵A non-condensing environment is required for storage and operation.

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DILAS
The diode laser company.

Package Dimension



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For complete details, please contact your local DILAS sales representative or visit our website at www.DILAS.com.

Europe
DILAS Diodenlaser GmbH
Galileo-Galilei-Straße 10
55129 Mainz
Germany
Phone: +49 (0)6131 9226 0
Fax: +49 (0)6131 9226 257
Email: sales@DILAS.de

North America
DILAS Diode Laser, Inc.
9070 South Rita Road
Suite 1500
Tucson, AZ 85747
Phone: +1 (520) 232-3480
Fax: +1 (520) 232-3499
Email: sales@DILAS-INC.com

China & Taiwan
DILAS Diodenlaser GmbH
China Sales Office
Room 206, Sunplus Technology, Bldg. 2
No. 1077 Zu Chongzhi Road
Hi-Tech Park, Shanghai 201203,
P.R. China
Phone: +86 (0) 21-6855-2216
Fax: +86 (0) 21-5027-3793
Email: sales@DILAS-CHINA.com.cn