

975.7nm, 400μm, Conduction-Cooled, Narrow Linewidth, Fiber-Coupled, Multi-Bar Module

Features

- Narrow linewidth of <1nm
- High coupling efficiency
- High brightness
- Conduction-cooled
- Sealed housing

Optional Accessories

- Integrated pointer laser
- Integrated power meter
- Integrated NTC temperature sensor
- Fiber detection sensor



Device Specification

Optical Parameters ¹		Units
Center Wavelength Range ³	nm	975.7
Center Wavelength Tolerance	nm	±0.6
Output Power ²	W	400
Spectral Width (FWHM)	nm	<1
Slope Efficiency	W/A	>9
Wavelength Temp. Coefficient	nm/°C	~0.01 ⁵

Fiber Parameters		
Numerical Aperture	NA	0.22
Fiber Core Diameter	μm	400
Fiber Connector		QBH/HighYAG

Electrical Parameters ¹		
Power Conversion Efficiency	%	>40
Threshold Current (I _{TH})	A	<7.5
Operating Current (I _{OP})	A	<60
Operating Voltage (V _{OP})	V	<24

Thermal Parameters		
Operating Temperature ^{3, 4}	°C	+20 to +30
Storage Temperature ⁴	°C	0 to +55
Recommended Cooling Capacity	W	>1040

¹Data at 25°C cold plate temperature, unless otherwise stated.

²Reduced lifetime if used above nominal operating conditions.

³Others available upon request.

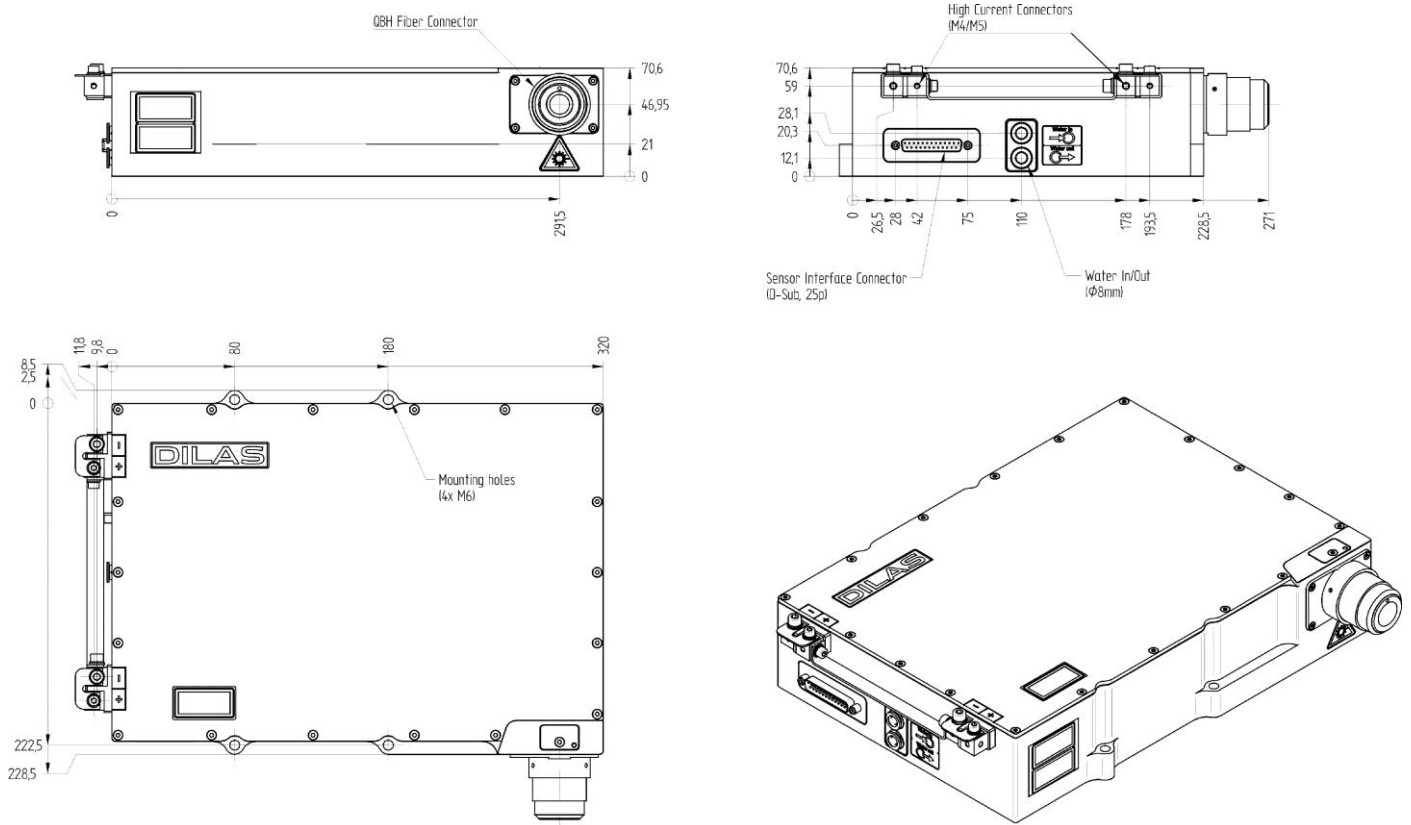
⁴A non-condensing environment is required for storage and operation below the ambient dew point.

⁵Within operating temperature ±3°C

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DILAS
The diode laser company.

Package Dimension



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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