

979.5nm, 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	979.5
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.

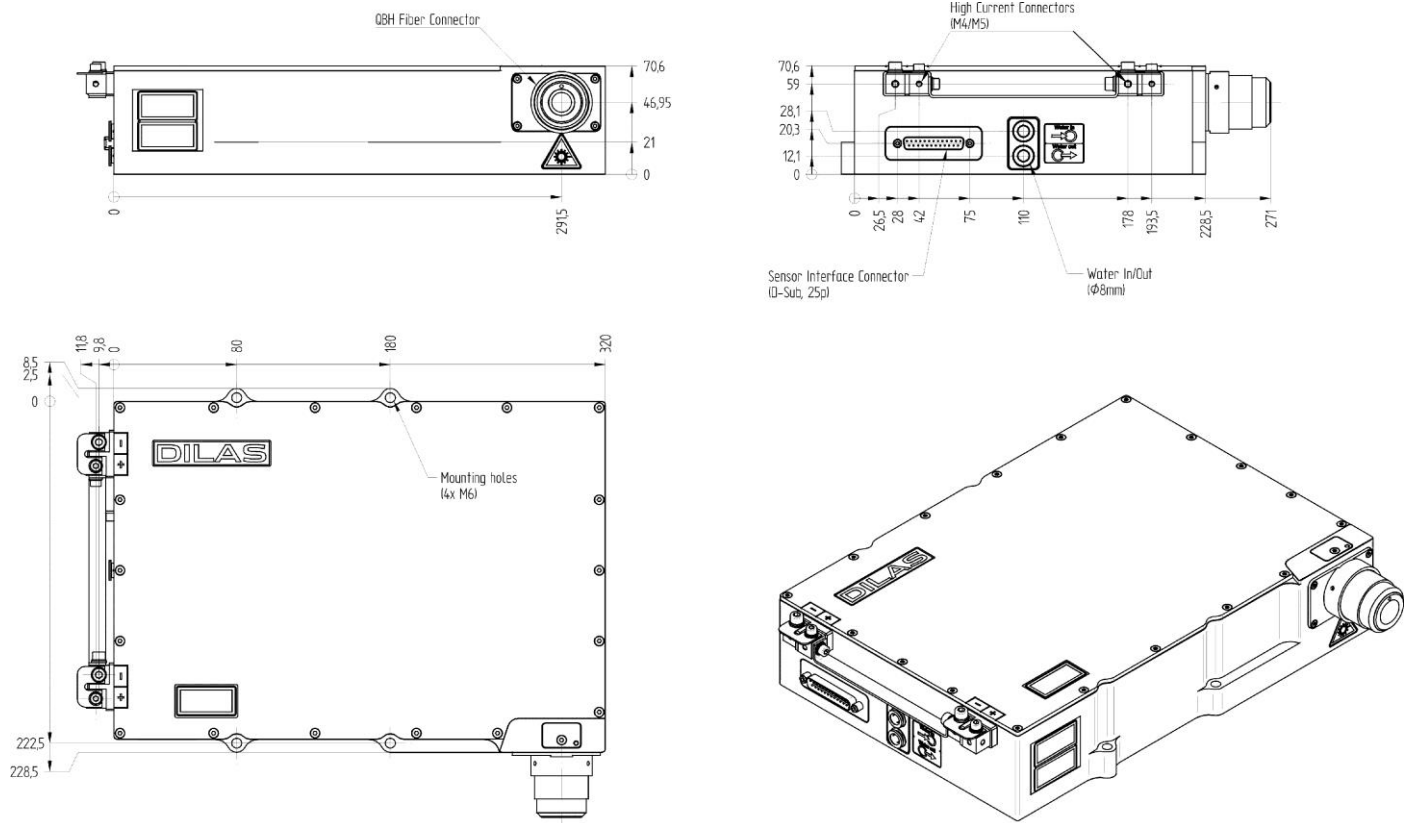
⁴A non-condensing environment is required for storage and operation below the ambient dew point.

⁵Within operating temperature ±3°C

979.5nm, 400µm, Conduction-Cooled, Narrow Linewidth, Fiber-Coupled, Multi-Bar Module

DILAS
The diode laser company.

Package Dimension



©2014 DILAS. All rights reserved. DILAS reserves the right to change products specifications without notice. For handling precautions, please reference the general handling instruction manual.

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