

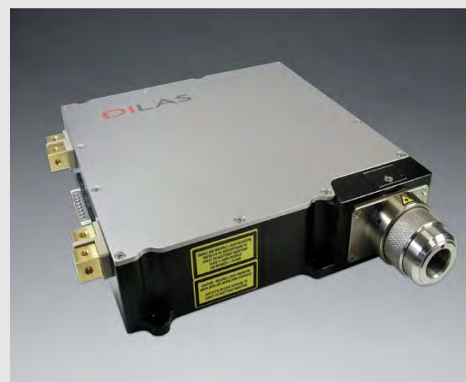
976nm, 200μm, Conduction-Cooled, Fiber-Coupled Multi-Bar Module

Features

- Single wavelength
- High coupling efficiency
- Conduction cooled base-plate
- Scalable output power
- High power QBH, mode strip fiber connector

Optional Accessories

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



Device Specification

Optical Parameters ¹	Units	
Center Wavelength Range ³	nm	976
Center Wavelength Tolerance	nm	±3
Output Power ²	W	200
Spectral Width (FWHM)	nm	<4
Slope Efficiency	W/A	>4.2
Wavelength Temp. Coefficient	nm/°C	~0.31

Fiber Parameters		
Numerical Aperture	NA	0.22
Fiber Core Diameter	μm	200
Fiber Connector		QBH

Electrical Parameters ¹		
Power Conversion Efficiency	%	>35
Threshold Current (I_{TH})	A	<7.5
Operating Current (I_{OP})	A	<60
Operating Voltage (V_{OP})	V	<12

Thermal Parameters		
Operating Temperature ^{2, 3, 4} (Cooling Plate)	°C	+20 to +25
Storage Temperature ^{3,4}	°C	0 to +55
Coolant Flow Rate	l/h	200 to 300
Operating Water Temperature	°C	+20 to +25
Maximum Particle Size	μm	<10
Recommended Cooling Capacity	W	>520

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

²Reduced lifetime if used above nominal operating conditions.

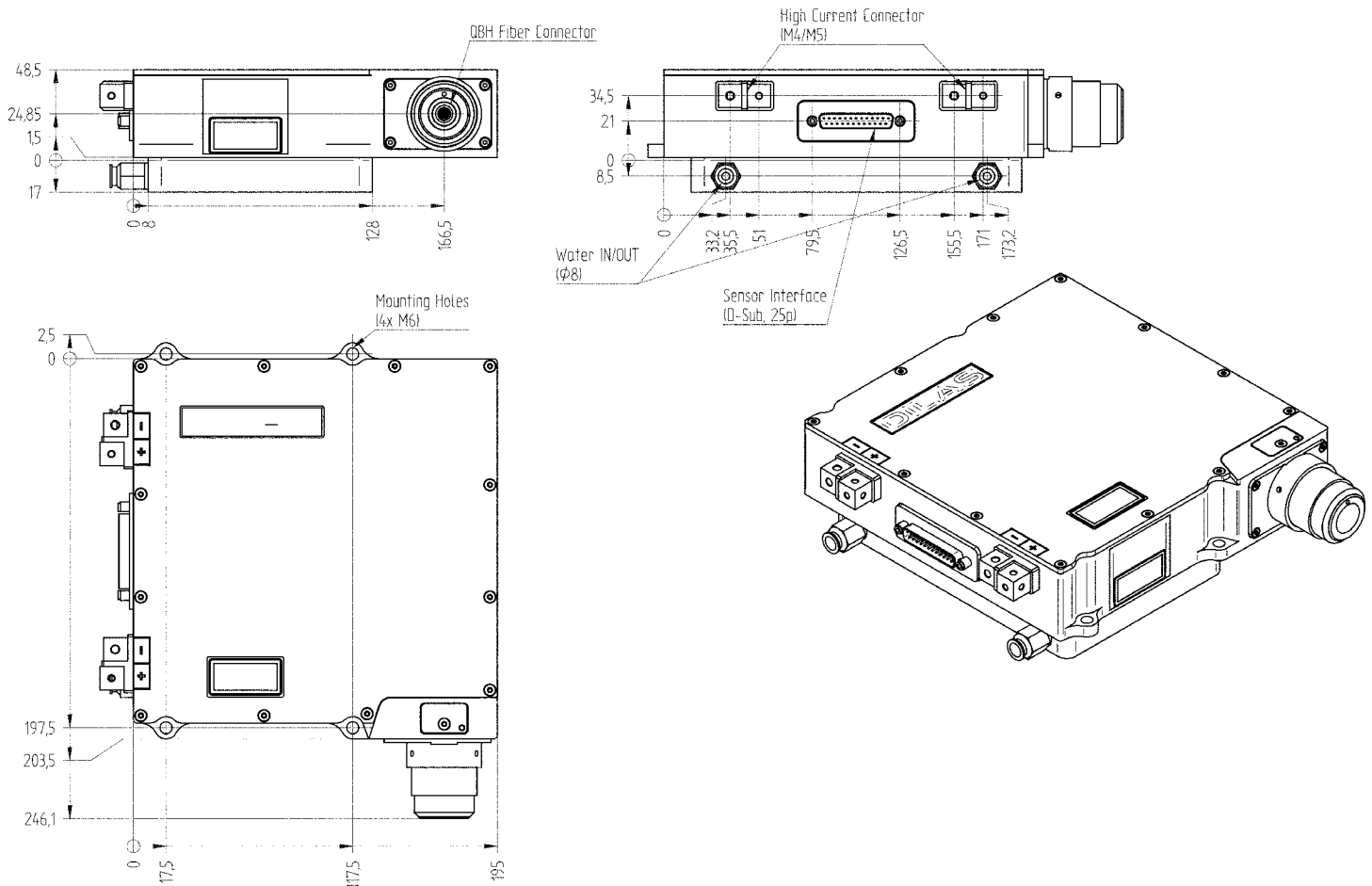
³Others available upon request.

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

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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.

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