

Conduction-Cooled, Fiber-Coupled, Two-Bar Module

Features

- Single wavelength
- High coupling efficiency
- Thermal interface by base-plate
- Water manifold for water cooling

Optional Accessories

- Integrated pointer laser and power meter
- Integrated temperature sensor
- Fiber interlock
- TE adapter for thermo electric cooling
- Exchangeable protection window



Device Specification

Optical ¹	Units			
Center Wavelength Range ³	nm	808	976	1550
Center Wavelength Tolerance	nm	±3	±3	±20
Output Power ²	W	80	80	30
Spectral Width (FWHM)	nm	<5	<5	<15
Slope Efficiency	W/A	>1.70	>1.50	>0.70
Wavelength Temp. Coefficient	nm/°C	~0.27	~0.34	~0.35

Fiber Parameters				
Numerical Aperture	NA		0.22	
Fiber Core Diameter	µm		400	
Fiber Connector		HP-SMA 905 Suitable for Free Standing Fiber Tips		

Electrical Parameters				
Power Conversion Efficiency	%	>35	>35	>20
Threshold Current (I _{TH})	A	<8	<8	<10
Operating Current (I _{OP})	A	62	65	55
Operating Voltage (V _{OP})		<4	<4	<3

Thermal Parameters				
Operating Temperature ⁴	°C	+20 to +30	+20 to +30	+20 to +30
Storage Temperature ⁴	°C	0 to +55	0 to +55	0 to +55
Recommended Cooling Capacity	W	>170	>180	>135

¹Data at 25°C cold plate temperature.

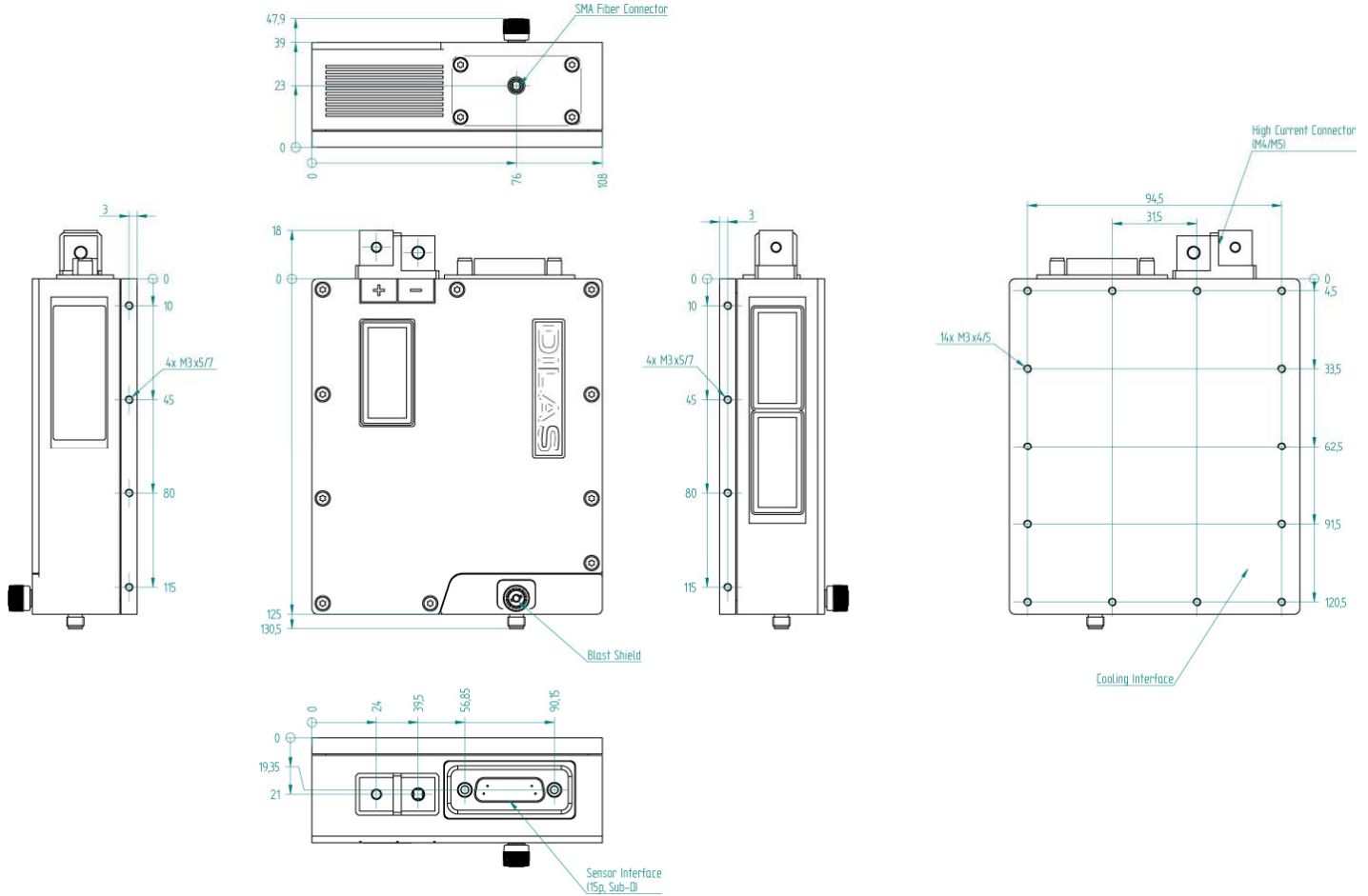
²Reduced lifetime if used above nominal operating conditions.

³Others available upon request.

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

Conduction-Cooled, Fiber-Coupled, Two-Bar Module

Package Dimension



DILAS products specifications are subject to change 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.

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

DILAS Diode Laser, Inc.
9070 South Rita Road
Suite 1500
Tucson, AZ 85747
Phone: (520) 232-3484
Fax: (520) 232-3499
Email: sales@DILAS-INC.com
www.DILAS.com

DILAS Diodelaser China Co., Ltd.
Room 206, Bldg. 2
No. 1077 Zu Chongzhi Road
Shanghai 201203, P.R. China
Phone: +86 (21) 6855-2216-223
Fax: +86 (21) 5027-3793
Email: sales@DILAS.de
www.DILAS.com