



Features

- Low thermal resistance CW and QCW operation
- Available as non-collimated or fast-axis-collimated unit
- Customized geometries available
- Customized housings available
- Up to 30 bars vertically CW and QCW operation



Device Specification

Optical Parameters ¹	Units		
Center Wavelength Range ³	nm		1064
Center Wavelength Tolerance ³	nm		±10
Output Power per Bar ²	W	40	60
Number of Bars ³	#		1 to 30
Bar-to-Bar Spacing ³	mm		approx. 1.9
Spectral Width (FWHM)	nm		<5.5
Slope Efficiency per Bar	W/A		>0.95
Fast-Axis Divergence (90%) ⁵	degrees		<70
Slow-Axis Divergence (90%) ⁶	degrees		8
Wavelength Temp. Coefficient	nm/°C		0.40
Beam Geometry after FAC Lens (n=number of bars)			10mm x (n-1)x 1.9mm + 0.8mm

Electrical Parameters ¹			
Power Conversion Efficiency	%		>52
Threshold Current (I_{TH})	A		<10
Operating Current (I_{OP})	A	<50	<70
Operating Voltage (V_{OP})	V		<1.9

Thermal Parameters		
Operating Temperature Range ³	°C	+20 to 30
Storage Temperature Range	°C	0 to 55

Please refer to DILAS water specification for cooling requirements.

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

²Reduced lifetime if used above nominal operating conditions.

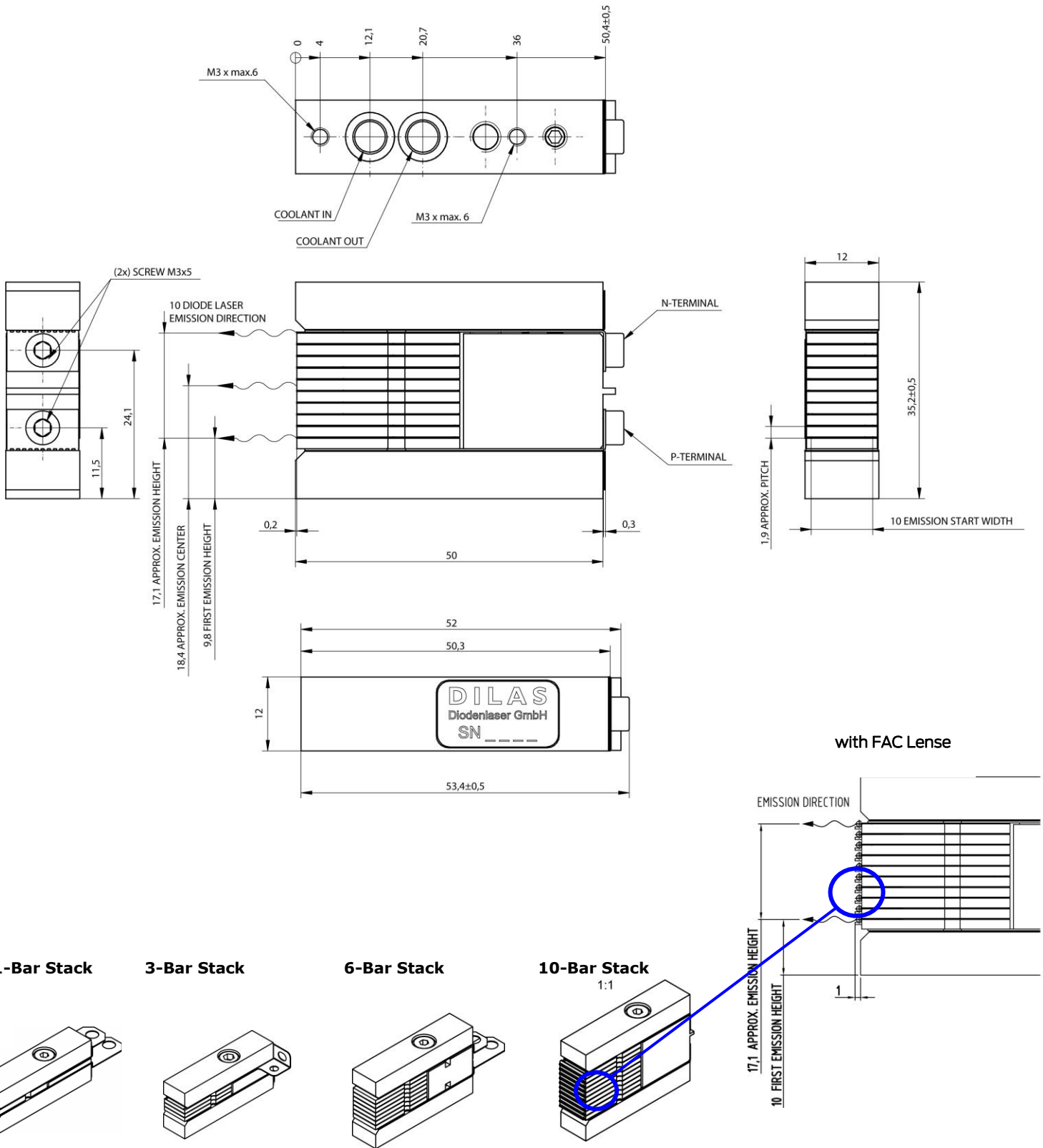
³Others available upon request.

⁴QCW, <2% Duty Cycle, <500µsec.

⁵For fast-axis collimation using FAC lens: divergence <8mrad.

⁶Slow-axis lense arrays available upon request.

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