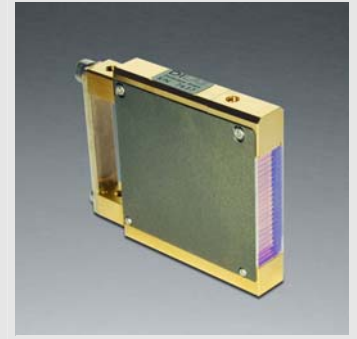


## Features

- Uniform divergence
- Low thermal resistance CW operation
- Customized geometries and housings available
- Optional standard coatings or customized low AR coatings are available
- Optional FAC/SAC are available
- Optional volume Bragg gratings are available (to ensure that very little pump energy is wasted)



## Device Specification

Optical Parameters <sup>1</sup>	Units			
Center Wavelength Range <sup>3</sup>	nm	766	780	852
Center Wavelength Tolerance <sup>3</sup>	nm	±3	±3	±3
Output Power per Bar <sup>2</sup>	W	40	60	100
Number of Bars <sup>3</sup>	#	20	20	20
Bar-to-Bar Spacing <sup>3</sup>	mm	approx. 1.8	approx. 1.8	approx. 1.8
Spectral Width (FWHM) <sup>6</sup>	nm	<5	<5	<5
Slope Efficiency per Bar	W/A	>1.17	>1.25	>1.19
Fast-Axis Divergence <sup>4</sup> (90%)	degrees	<60	<60	<60
Slow-Axis Divergence (95%)	degrees	<8	<8	<8

Electrical Parameters <sup>1</sup>				
Power Conversion Efficiency	%	>56	>58	>58
Threshold Current ( $I_{TH}$ )	A	<7	<7.5	<11
Operating Current ( $I_{OP}$ )	A	≤40	≤58	≤97
Operating Voltage per Bar ( $V_{OP}$ )	V	<1.8	<1.9	<1.8

Thermal Parameters			
Operating Temperature Range <sup>3, 5</sup>	°C		+20 to 30
Storage Temperature Range <sup>5</sup>	°C		0 to 55

Please refer to DILAS water specification for cooling requirements.

<sup>1</sup>Data at 25°C water temperature, unless otherwise stated.

<sup>2</sup>Reduced lifetime if used above nominal operating conditions.

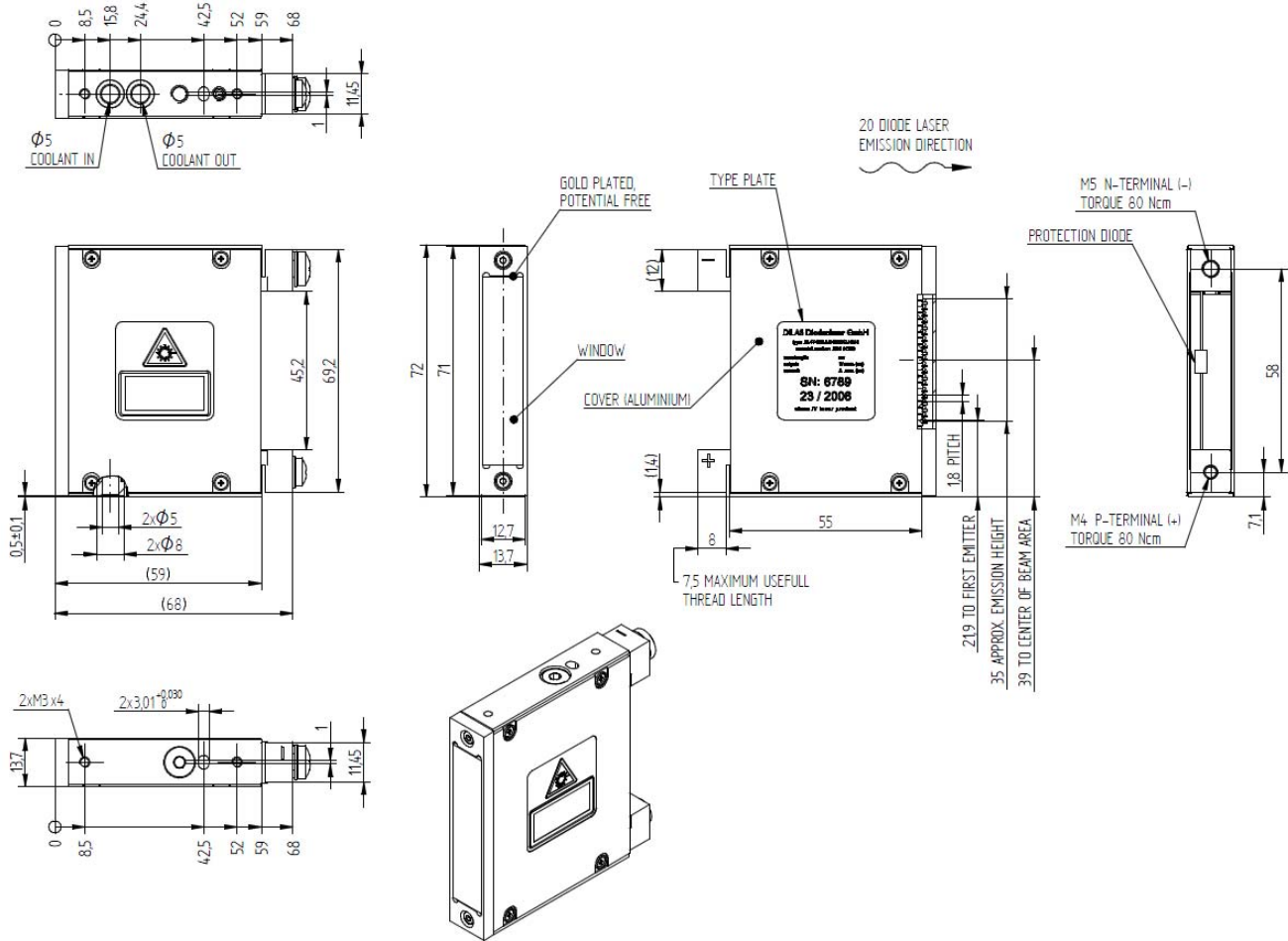
<sup>3</sup>Others available upon request.

<sup>4</sup>For fast-axis collimation using FAC lens: divergence <8mrad.

<sup>5</sup>A non-condensing environment is required for storage and operation below the ambient dew point.

<sup>6</sup>With volume Bragg gratings, spectral line narrowing will result in ≤1nm FWHM per bar.

## Package Dimension



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For complete details, please contact your local DILAS sales representative or visit our website at [www.DILAS.com](http://www.DILAS.com).

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