

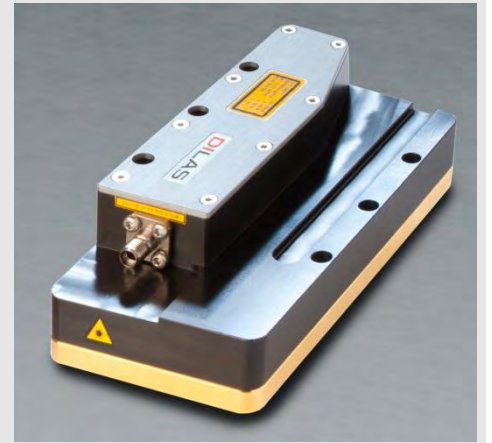
# 135W, 976nm, Fiber-Coupled, Conduction-Cooled, Tailored Bar Module

## Features

- Conduction-cooled diode laser bars inside
- Single wavelength
- High coupling efficiency

## Optional Accessories

- Integrated power meter
- Integrated NTC temperature sensor



## Device Specification

Optical Parameters <sup>1</sup>	Units	
Center Wavelength	nm	976 <sup>3</sup>
Wavelength Tolerance	nm	±3
Output Power <sup>2</sup>	W	135
Number of bars	#	7
Spectral Width (FWHM)	nm	<5
Slope Efficiency	W/A	>6.0

Fiber Parameters		
Fiber Core Diameter	µm	200
Numerical Aperture	NA	0.22
Fiber Connector		DILAS HP-SMA

Electrical Parameters <sup>1</sup>		
Power Conversion Efficiency	%	>45
Threshold Current ( $I_{TH}$ )	A	>3
Operating Current ( $I_{OP}$ )	A	<30
Operating Voltage ( $U_{OP}$ )	V	<11.5

Thermal Parameters		
Operating Temperature <sup>2, 3, 4</sup>	°C	+20 to +25
Storage Temperature <sup>4</sup>	°C	+5 to +60
Coolant Flow Rate	l/h	150
Operating Water Temperature	°C	+20 to +25
Maximum Particle Size	µm	<10

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

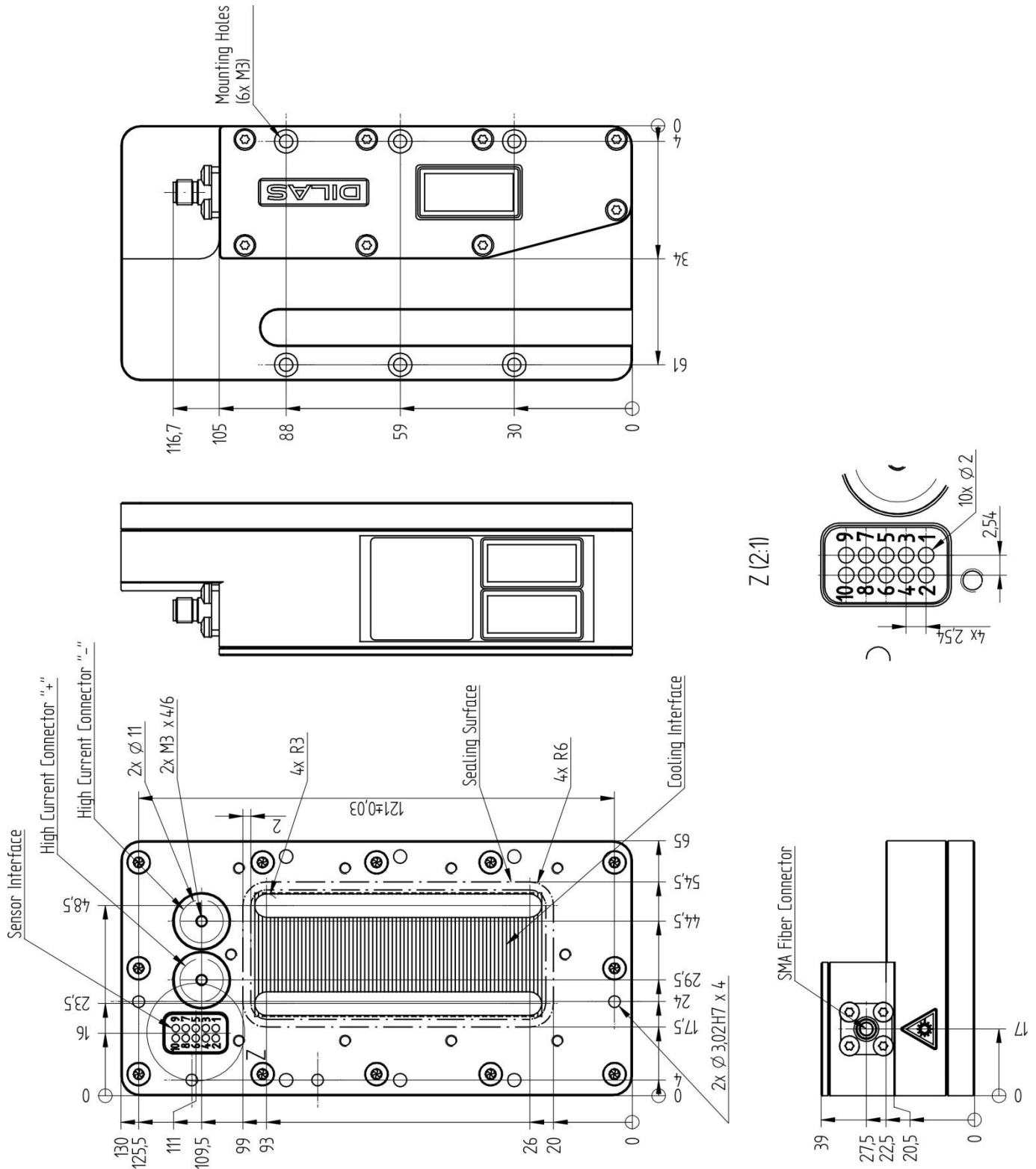
<sup>2</sup>Reduced lifetime if used above nominal operating conditions.

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

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

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## Package Dimension



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