

120W, 976nm, 100µm, Fiber-Coupled, Conduction-Cooled, Tailored Bar Module

Features

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

Optional Accessories

- Integrated power meter
- Wavelength stabilization
- Back reflection filter
- Integrated NTC temperature sensor



Device Specification

Optical Parameters ¹	Units	
Center Wavelength ²	nm	976
Wavelength Tolerance	nm	±2
Output Power ³	W	120
Spectral Width (FWHM)	nm	<5
Slope Efficiency	W/A	>5.0

Fiber Parameters		
Fiber Core Diameter	µm	100
Numerical Aperture	NA	0.22
Fiber Connector		SMAQ

Electrical Parameters ¹		
Power Conversion Efficiency	%	>35
Threshold Current (I_{TH})	A	<3.5
Operating Current (I_{OP})	A	<35
Operating Voltage (U_{OP})	V	<11.5

Thermal Parameters		
Operating Temperature ^{3, 4, 5}	°C	+20 to +25
Storage Temperature ⁵	°C	+5 to +60
Coolant Flow Rate	l/h	150
Water Temperature	°C	+20 to +25
Purity		Tap Water

Mechanical Parameters		
Size		See Drawing
Weight	kg	~1

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

²Others available upon request.

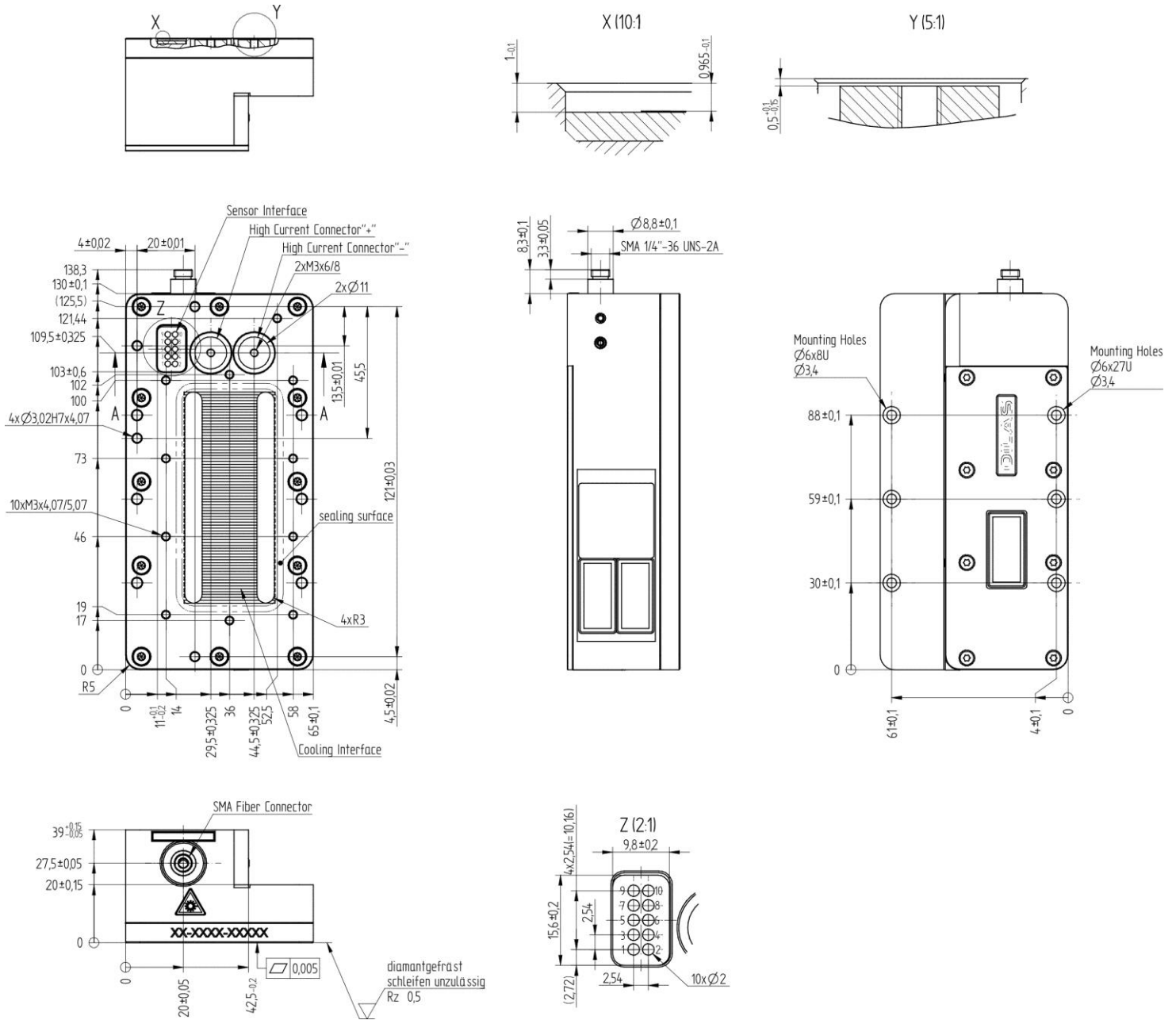
³Reduced lifetime if used above nominal operating conditions.

⁴Additional information available upon request.

⁵A non-condensing environment is required for storage and operation.

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Package Dimension



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