

Conduction-Cooled, QCW, Multi-Bar Module

Features

- QCW operation
- Single wavelength
- High coupling efficiency
- Thermal interface by stack-base-plate
- Scalable output power

Optional Accessories

- Integrated temperature sensor
- Fiber connection control



Device Specification

Optical ¹	Units	
Wavelength Range	nm	790 to 980
Center Wavelength Tolerance ³	nm	±5
Output Peak Power ²	W	500
Spectral Width (FWHM)	nm	<5
Wavelength Temp. Coefficient ³	nm/°C	~0.3

Fiber Parameters		
Numerical Aperture	NA	0.22
Fiber Core	µm	800
Fiber Connector		SMA with Free Standing Fiber Tips

Electrical Parameters ¹		
Power Conversion Efficiency	%	>30
Threshold Current (I_{TH})	A	<15
Maximum Operating Current (I_{OP})	A	80
Operating Voltage (V_{OP})	V	<20
Duty Cycle (DC)	%	<2

Thermal Parameters		
Operating Temperature ^{3, 4}	°C	+20 to +30
Storage Temperature ⁴	°C	0 to +55
Recommended Heat Sink Capacity ⁵	W	>50

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

²Reduced lifetime if used above nominal operating conditions

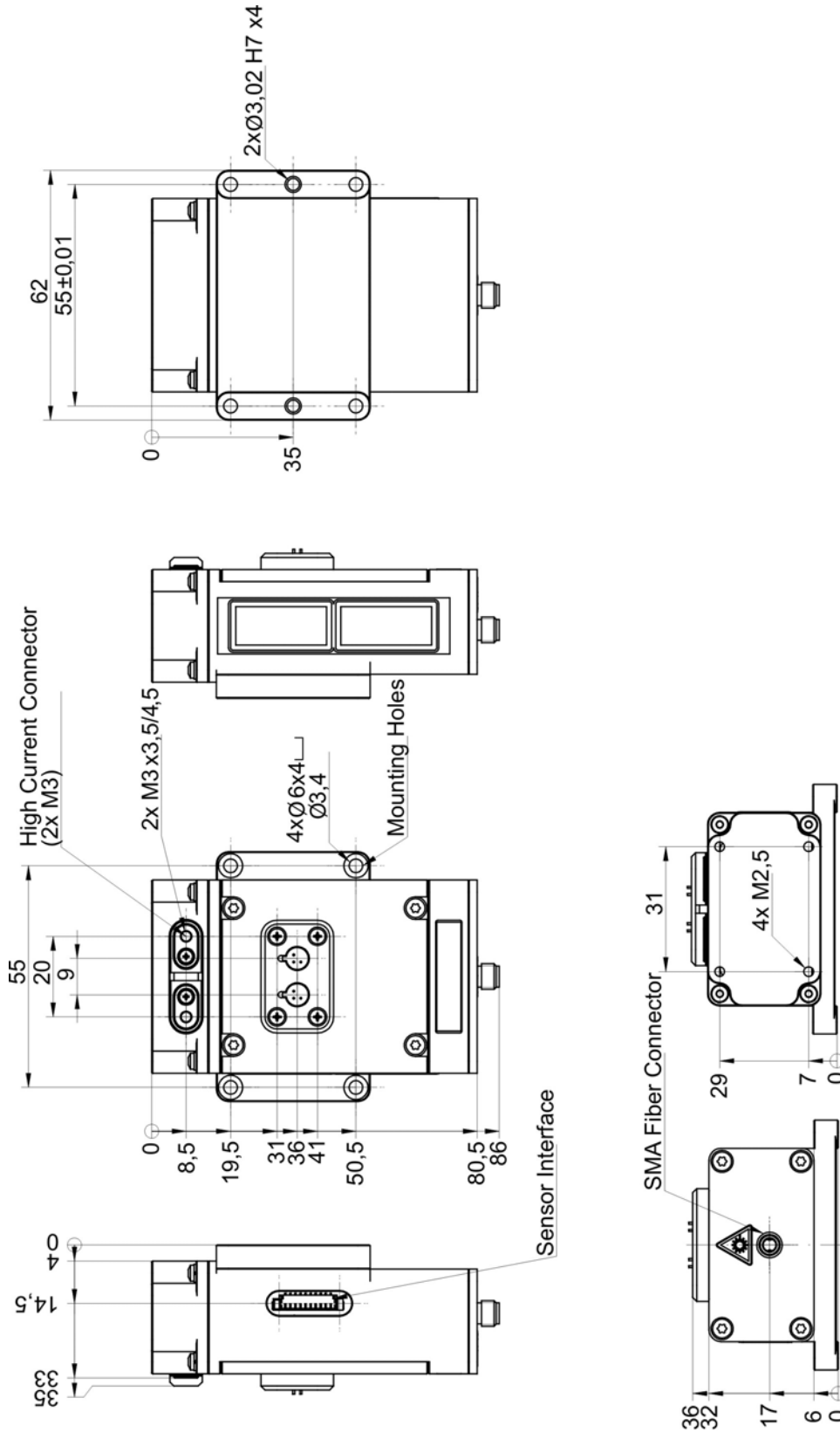
³Others available upon request

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

⁵Recommended heat sink 50W (depending on duty cycle)

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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.

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