808nm, 200µm, Conduction-Cooled, Fiber-Coupled Multi-Bar Module

Features
- Single wavelength
- High coupling efficiency
- Thermal interface by base-plate
- Scalable output power

Optional Accessories
- Integrated pointer laser
- Integrated power meter
- Integrated NTC temperature sensor
- Fiber detection sensor

Device Specification

Optical Parameters [1]	**Units**	
Center Wavelength Range[3]	nm	808
Center Wavelength Tolerance	nm	±3
Output Power[2]	W	200
Spectral Width (FWHM)	nm	<4
Slope Efficiency	W/A	>5
Wavelength Temp. Coefficient	nm/°C	~0.27
Fiber Parameters		
Numerical Aperture	NA	0.22
Fiber Core Diameter	µm	200
Fiber Connector		HP-SMA 905 with Free Standing Fiber Tips
Electrical Parameters[1]		
Power Conversion Efficiency	%	>35
Threshold Current (I_{TH})	A	<10
Operating Current (I_{OP})	A	<60
Operating Voltage (V_{OP})	V	<12
Thermal Parameters		
Operating Temperature[2, 3, 4] (Cooling Plate)	°C	+20 to +25
Operating Temperature[2, 3, 4] (Diode Laser Module)	°C	+30 to +35
Storage Temperature[3,4]	°C	0 to +55
Coolant Flow Rate	l/h	250 to 400
Operating Water Temperature	°C	+20 to +25
Maximum Particle Size	µm	<10
Recommended Cooling Capacity	W	>520

[1]Data at 25°C cold plate temperature, unless otherwise stated.
[2]Reduced lifetime if used above nominal operating conditions.
[3]Others available upon request.
[4]A non-condensing environment is required for storage and operation below the ambient dew point.

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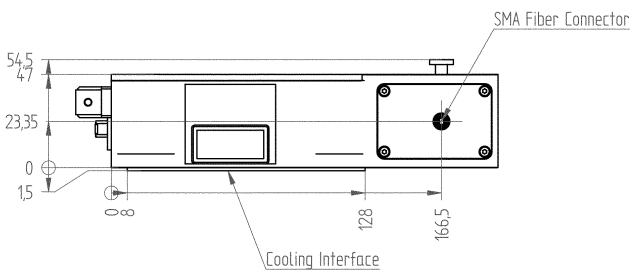
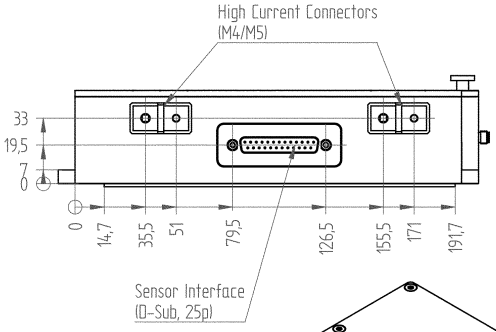
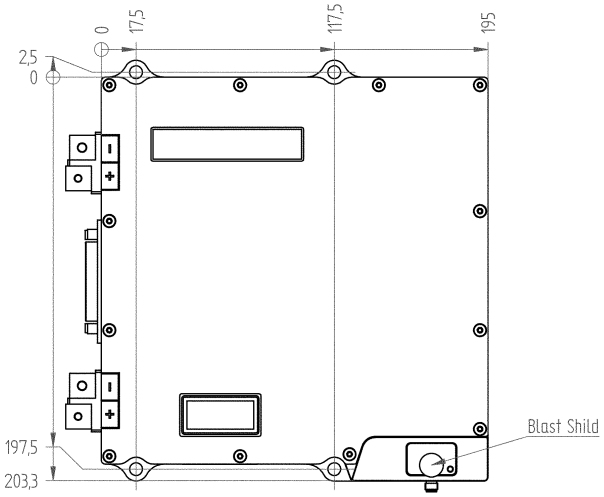
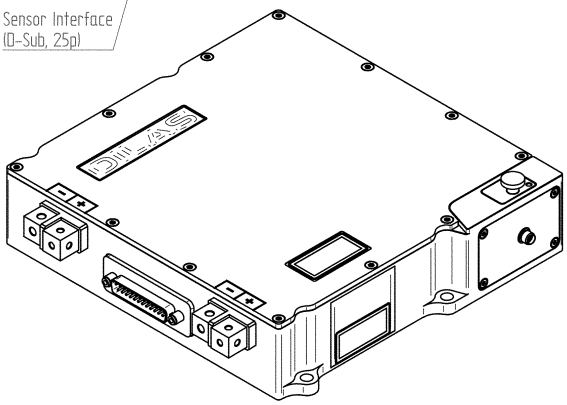
Package Dimension









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