

Features

- High collimator efficiency
- Very low divergence in fast and slow axis
- Sealed housing
- Various wavelengths available



Device Specification

Optical ¹	Units	
Center Wavelength Range ³	nm	808
Center Wavelength Tolerance	nm	±3
Output Power ²	W (CW)	35
Spectral Width (FWHM)	nm	3
Slope Efficiency	W/A	≥1.0
Fast- Axis Divergence ³	mrad	10
Slow-Axis Divergence ³	mrad	10
Wavelength Temp. Coefficient	nm/°C	~0.27

Electrical Parameters ¹		
Power Conversion Efficiency	%	>45
Threshold Current (I_{TH})	A	<10
Operating Current (I_{OP})	A	>45
Operating Voltage (V_{OP})	V	<1.9

Electrical Parameters ¹		
Operating Temperature Range ^{3, 4}	°C	+20 to 30
Storage Temperature Range ⁴	°C	0 to 55
Recommended Heatsink Capacity	W	≥70

¹Data at 20°C cold plate temperature.

²Reduced lifetime if used above nominal operating conditions.

³Others available upon request.

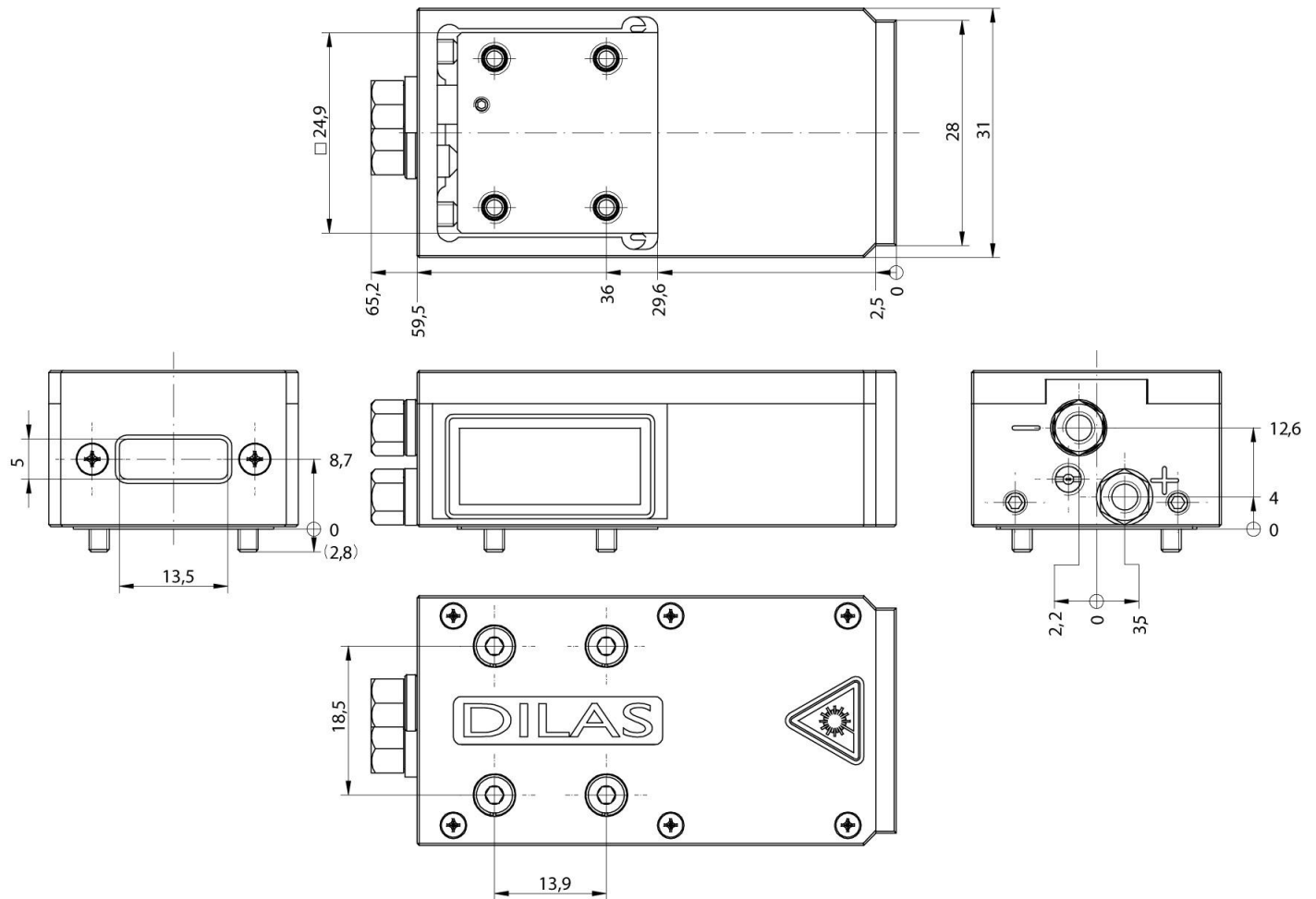
⁴A non-condensing environment is required for storage and operation below the ambient dew point.

808nm, Conduction-Cooled Single Bar Diode Laser Module **DILAS**

The diode laser company.

Package Dimension

Module M1B-SS4.3



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