

Single Bar Diode Laser Module

808 nm, 35 W, Conduction-Cooled,
Sealed Housing



OPTICAL PARAMETERS ¹	M1B-SS4.3
Center Wavelength Range ³ (nm)	808
Center Wavelength Tolerance (nm)	±3
Output Power ² (W)	35
Operating Condition	CW
Spectral Width (FWHM) (nm)	3
Wavelength Temp. Coefficient (nm/°C)	~0.27
Slope Efficiency (W/A)	≥1.0
Fast-Axis Divergence ³ (mrad)	≤15
Slow-Axis Divergence ³ (mrad)	≤15
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
THERMAL PARAMETERS ¹	
Operating Temperature Range ^{3,4} (°C)	+20 to +30
Storage Temperature Range ⁴ (°C)	0 to +55
Recommended Cooling Capacity (W)	≥70

¹ Data at 20°C cold plate temperature.

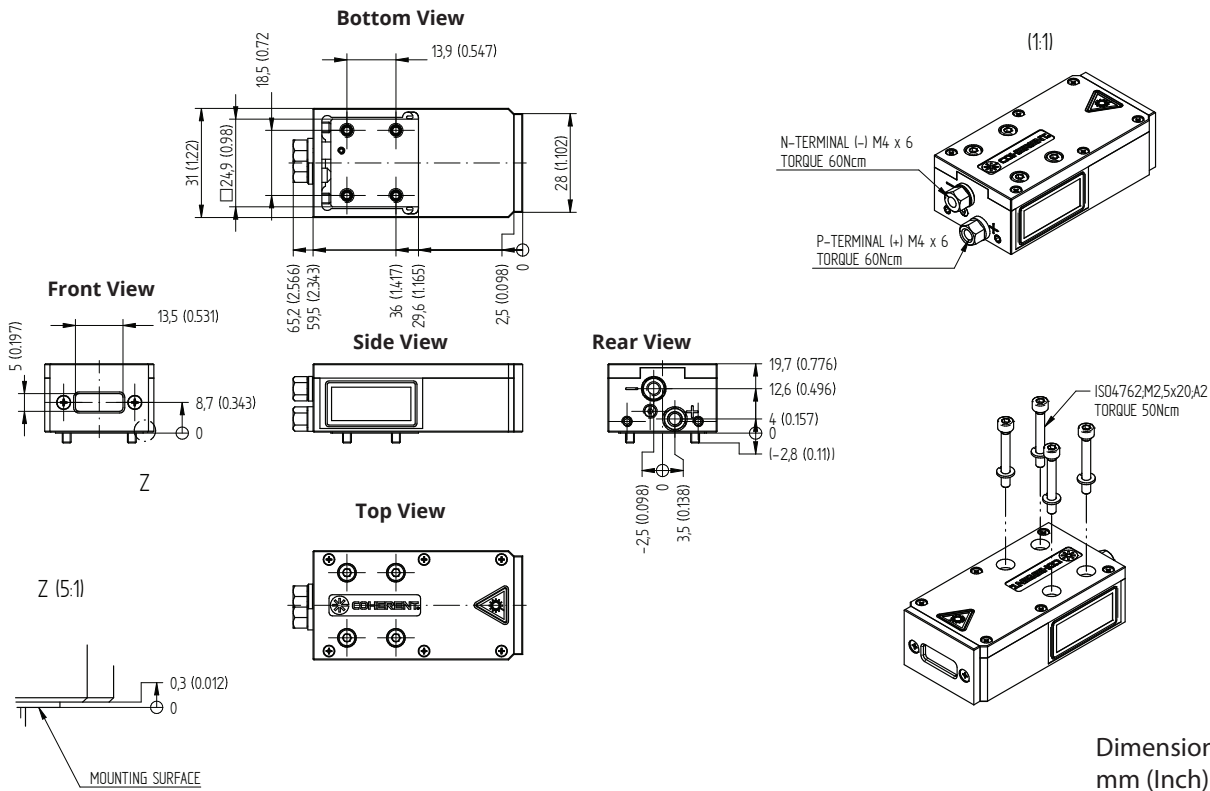
² Reduced lifetime if used above nominal operating conditions.

³ Others available upon request.

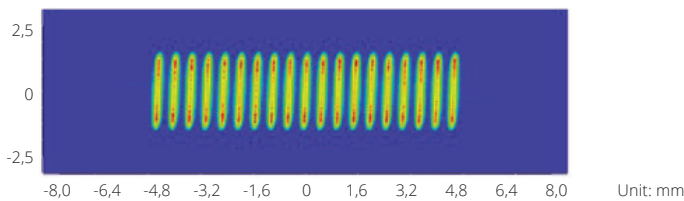
⁴ A non-condensing environment is required for storage and operation below the ambient dew point.

MECHANICAL SPECIFICATIONS

808 nm, 35 W, Conduction-Cooled, Sealed Housing Single Bar Diode Laser Module



NEAR FIELD INTENSITY



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Visible / invisible laser radiation.
Avoid eye or skin exposure to
direct or scattered radiation!
Class 4 Laser product
IEC 60825-1:2014