

GDL808-30F

Fiber-coupled Diode Laser Module 808nm 30W Fiber 400µm

► Features

- High Coupling Efficiency
- High Brightness
- Sealed Housing
- Standard Fiber Coupling (HP-SMA)

► Device Specification

Optical ¹	Units	GDL808-30F
Center Wavelength Range ³	nm	808
Center Wavelength Tolerance	nm	±3
Output Power ²	W	30
Spectral Width (<i>FWHM</i>)	nm	4
Slope Efficiency	W/A	> 0.85
Wavelength Temp. Coefficient	nm/°C	~ 0.27
Fiber Parameters	Units	GDL808-30F
Numerical Aperture	NA	0.22
Fiber Core Diameter	µm	400
Fiber Connector	HP-SMA 905 with Free Standing Fiber Tips	
Electrical Parameters ¹	Units	GDL808-30F
Power Conversion Efficiency	%	> 40
Threshold Current (<i>ITH</i>)	A	< 8
Operating Current (<i>IOP</i>)	A	< 45
Operating Voltage (<i>VOP</i>)	V	< 1.9
Thermal Parameters	Units	GDL808-30F
Operating Temperature ^{3,4}	°C	20 to 30
Storage Temperature ⁴	°C	0 to 55
Recommended Heatsink Capacity	W	> 70

¹ Data at 20°C cold plate temperature, unless otherwise stated.

² Reduced lifetime if used above nominal operating conditions.

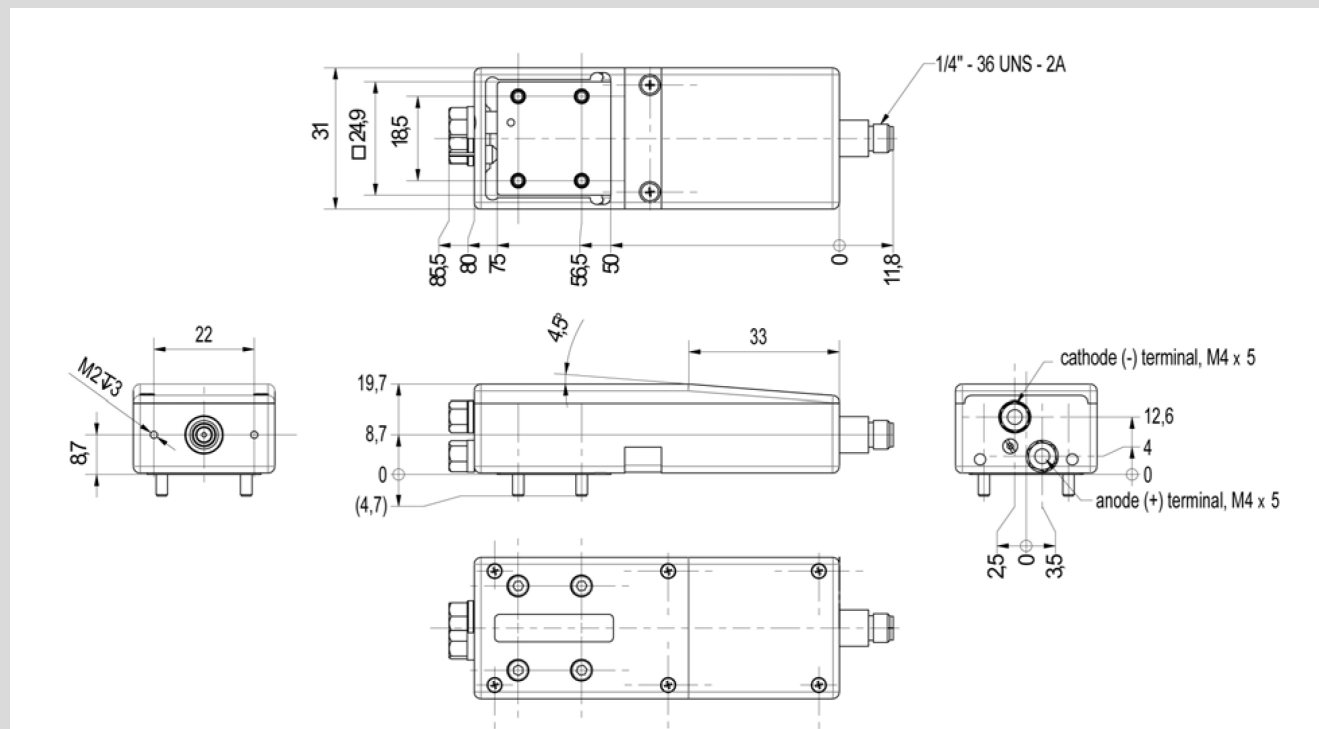
³ Others available upon request.

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

Package Dimensions

► Package I

(Optional monitor photo diode and temperature sensor/NTC)



► Package II

(Includes pointer, monitor photo diode, temperature sensor/NTC and fiber interlock)

