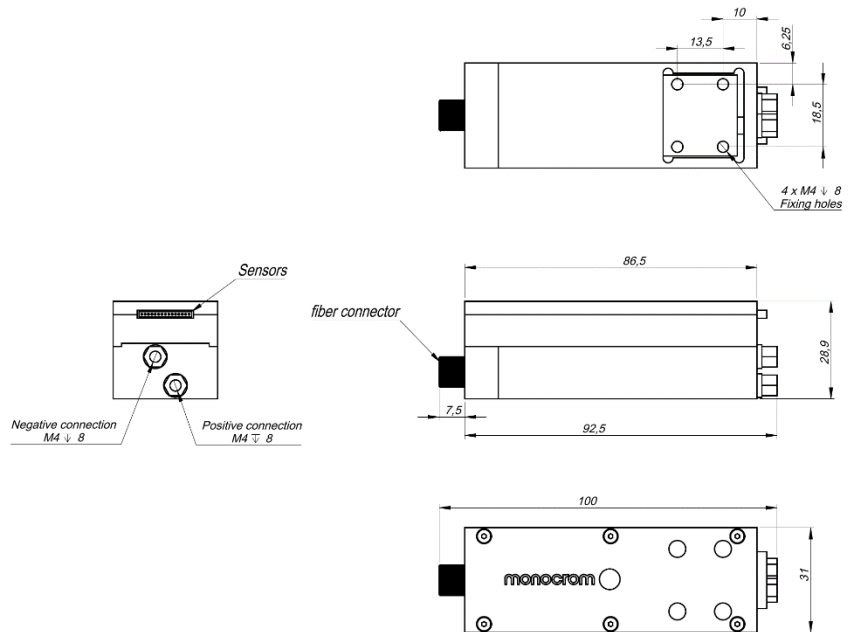


# Fiber-Coupled Module

FiCOM B1  $\lambda$ 1540-1560 nm



## Features:

- Improved cooling efficiency
- No “smile” effect
- No mechanical stress
- Number of bars on demand
- Central wavelength on demand

## Suitable for:

- Interstitial laser induced thermotherapy
- Surgery
- Aesthetics
- Material processing

Technical specifications <sup>(1,2)</sup>	
Wavelength <sup>(3)</sup> [nm]	1540 - 1560
Wavelength tolerance [nm]	±5
Spectral width, FWHM [nm]	< 15
Wavelength shift [nm/K]	0.55
Output power <sup>(2,4)</sup> [W]	up to 18
Operating current [A]	< 90
Differential slope, after threshold [W/A]	0.3
Voltage @ connectors <sup>(5)</sup> [V]	1.3
Fiber core diameter [μm]	down to 200
Numerical aperture	0.22
Fiber input connector	HP-SMA 905
Smile [μm]	< 0.1

1. Specifications at 20 °C, at the beginning of the lifetime
2. Specifications are subject to chips availability
3. Other wavelengths on request
4. Expected output power can varies based on current and temperature
5. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables
6. Pitch dependent

FiCOM B1 / 1540 - 1560 nm  
 Version: 1.0.0.0 October 2021  
 Product specifications are subject to change without notice.  
 For complete details, please contact your local MONOCROM sales representative.

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