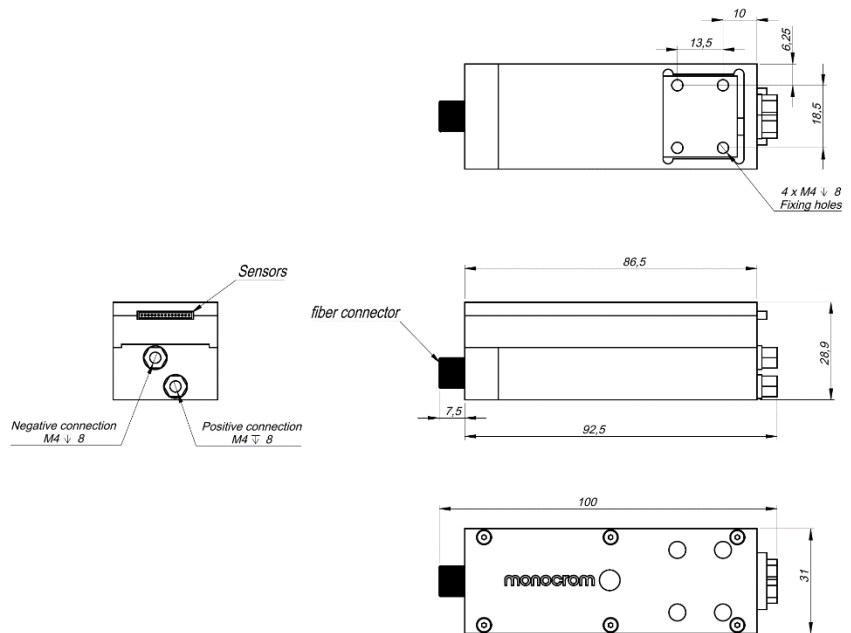


# Fiber-Coupled Module

FiCOM B1  $\lambda$ 960-980 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  
Ophthalmology  
Odontology  
Surgical cardiology

Aesthetics  
Material processing  
Printing

Technical specifications <sup>(1,2)</sup>	
Wavelength <sup>(3)</sup> [nm]	960 - 980
Wavelength tolerance [nm]	±5
Spectral width, FWHM [nm]	< 5
Wavelength shift [nm/K]	0.38
Output power <sup>(2,4)</sup> [W]	up to 105
Operating current [A]	< 135
Differential slope, after threshold [W/A]	1.1
Voltage @ connectors <sup>(5)</sup> [V]	2
Fiber core diameter [μm]	down to 200
Numerical aperture	0.22
Fiber input connector	HP-SMA 905
Smile [μm]	< 0.1

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

FiCOM B1 / 960 - 980 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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