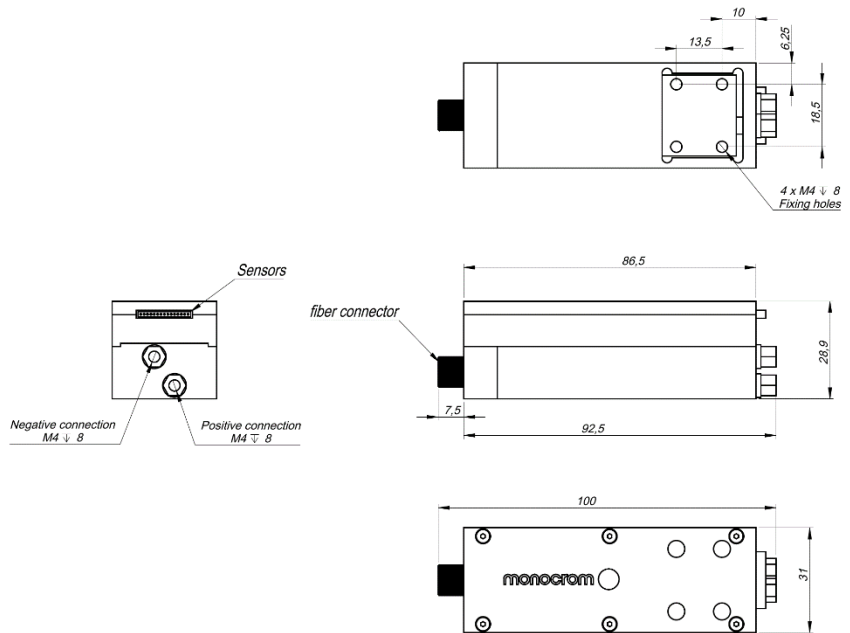


# Fiber-Coupled Module

FiCOM B1  $\lambda$ 750-770 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

Hair removal  
 Material processing  
 Printing

Technical specifications <sup>(1,2)</sup>	
Wavelength <sup>(3)</sup> [nm]	750 - 770
Wavelength tolerance [nm]	±20
Spectral width, FWHM [nm]	< 5
Wavelength shift [nm/K]	0.33
Output power <sup>(2,4)</sup> [W]	30
Operating current [A]	< 45
Differential slope, after threshold [W/A]	1.25
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 / 780 - 830 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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