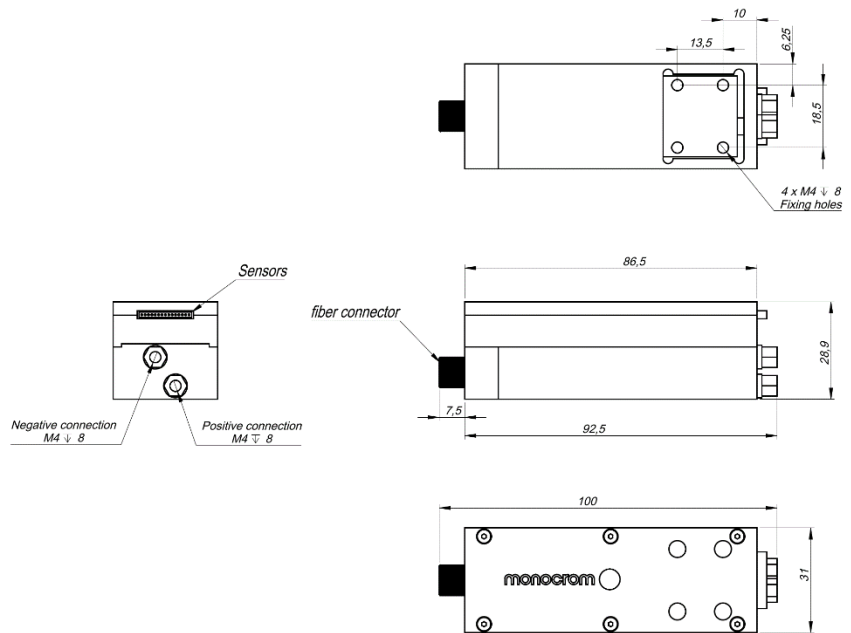


Fiber-Coupled Module

FiCOM B1 λ 1040-1080 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 ^(1,2)	
Wavelength ⁽³⁾ [nm]	1040 - 1080
Wavelength tolerance [nm]	±5
Spectral width, FWHM [nm]	< 5
Wavelength shift [nm/K]	0.27
Output power ^(2,4) [W]	up to 85
Operating current [A]	< 145
Differential slope, after threshold [W/A]	0.95
Voltage @ connectors ⁽⁵⁾ [V]	1.5
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 / 1040 - 1080 nm
 Version: 1.0.0.0 October 2021
 Product specification are subject to change without notice.
 For complete details, please contact your local MONOCROM sales representative.

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