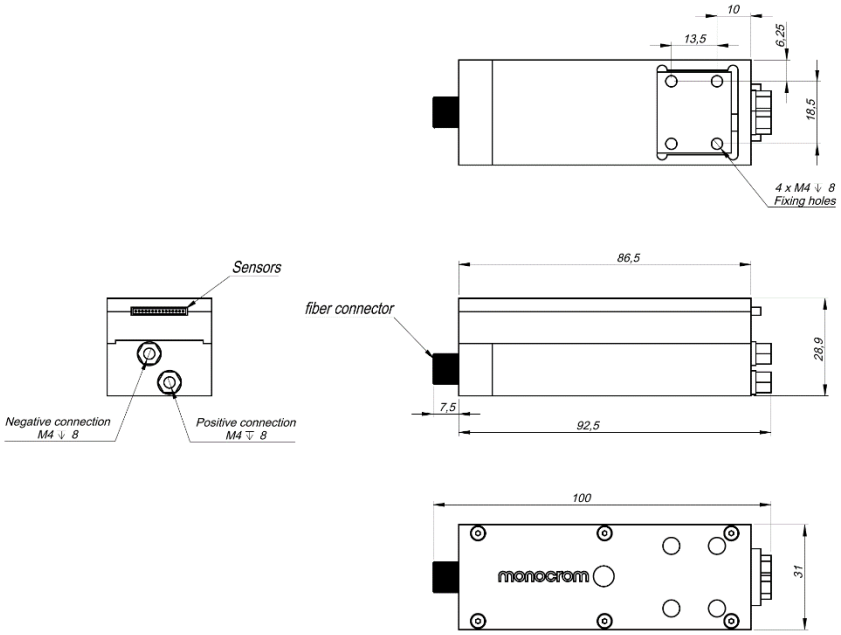
Fiber-Coupled Module

FiCOM B1 λ780-830 nm



Features:	Suitable for:	
Improved cooling efficiency	Interstitial laser induced thermotherapy	Hair removal
No “smile” effect	Ophthalmology	Material processing
No mechanical stress	Odontology	Printing
Number of bars on demand	Surgical cardiology	
Central wavelength on demand		

Technical specifications [1,2]	
Wavelength[3] [nm]	780 - 830
Wavelength tolerance [nm]	±5
Spectral width, FWHM [nm]	< 5
Wavelength shift [nm/K]	0.33
Output power [2,4] [W]	up to 85
Operating current [A]	< 120
Differential slope, after threshold [W/A]	1.2
Voltage @ connectors[5] [V]	2
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 ºC, 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

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