

Biophotonics - Series

Application: - Biophotonics



Dimension:

L (mm)	115
W (mm)	64
H (mm)	39

Optional with external laser head

L (mm)	57,5 +0,8/-0,3
Ø (mm)	25 h8

Dimensions according to DIN ISO 2768 m if not specified otherwise. Drawing not in scale

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C					
Modul IMM-TEC			Casing Type A		
Order Number			On request		
Wavelength	375 nm	375 nm	395 nm	405 nm	405 nm
Optical output power (max.)	20 mW / SM	200 mW / MM	120 mW / SM	120 mW / SM	600 mW / MM
Wavelength	415 nm	425 nm	445 nm	445 nm	460 nm
Optical output power (max.)	120 mW / SM	120 mW / SM	100 mW / SM	1.6 W / MM	100 mW / SM
Wavelength	473 nm	488 nm	515 nm		
Optical output power (max.)	80 mW / SM	150 mW / SM	25 mW / SM		
Operating temperature	0 °C to 40 °C				
Beam profile	Round, elliptical, line or cross and special profiles on request				
Beam diameter @ 1/e ²	Varies with model				
Beam divergence	0.8 mrad, varies with model				
Beam deviation	< 3 mrad, varies with model				
Wavelength stability	< 0.01 nm				
Operating voltage Vcc	9 V to 24 V DC				
Operating current	max. 1 A				
Power stability	< 1%				

SM = Singlemode, MM = Multimode

The TEC-Module offers exceptional wavelength and power stability, (better than 1%), good pointing accuracy and significantly increased laser diode lifetime.

The module incorporates temperature control electronics, thermo electric cooler and heat sink that enables the laser diode temperature to be controlled to a set point temperature between 15°C to 35°C (adjustable) and with a stability of ±0.05°C.

If you need a wavelength or power that we do not offer as standard, please contact our sales team to discuss your requirements.

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)

Note: The above product specifications are subject to change without notice.