

FLEXPOINT® Laser Diode Module Blue 405 nm

NEU



DESCRIPTION

The blue FLEXPOINT® laser diode module FP-40 is available with 2 different power levels. The less powerful version can generate a circular or elliptical beam with 1 mW or 3 mW, respectively. The higher power module can generate a circular or elliptical beam with 7 mW or 20 mW, respectively.

The aspherical lens is adjustable to produce either a focused or a collimated beam.

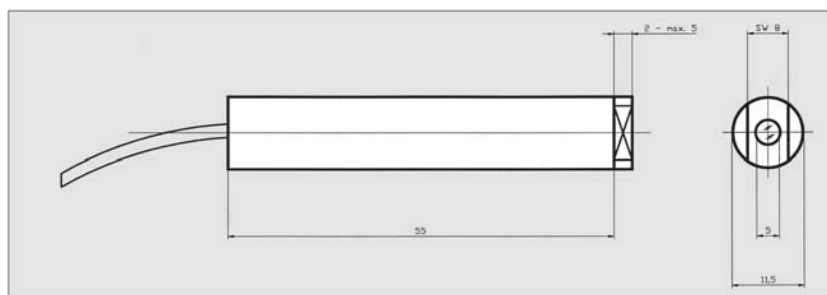


FEATURES

- additional protection circuit against power surges
- circular or elliptical beam profile
- output power up to 20 mW
- optional analog or digital modulation
- small housing

APPLICATIONS

- optical data storage
- fluorescence excitation
- spectroscopy
- optical measuring systems
- medical applications



Model	FP-40/XAF-AV-SD5	FP-40/XAF-AV
Wellenlänge	405 nm	
Output power [X]	up to 1 mW or 7 mW	up to 3 mW or 20 mW
Power stability	< 5 %	
Beam profile	circular, focusable	elliptical, focusable
Beam divergence	~ 0,2 mrad	~ 0,6 mrad
Pointing stability	< 0,2 mrad / °C	
Bore sighting	< 0,5°	< 3°
Input voltage	4,5 – 6 VDC, reverse voltage protection	
Power consumption	approx. 50 mA – 250 mA	
Operating temperature range	-10 °C to +50 °C	
Housing	aluminium, isolated, black anodized	
Dimensions	see drawing on page 1	
Options	digital modulation (up to 10 kHz) output power adjustment via potentiometer or third wire input voltage 8 – 30 VDC line optics	

*all specifications subject to change without notice

