Muon II Series
for Biomedical Applications

New !

Features

- 405nm to 852nm
- Up to 50mW in a small package
- Circular beam
- High stability
- CW or modulate
- Accessories

Applications

- Fluorescence Excitation
- Photodynamic therapy
- Flow cytometry
- Genetic sequencing
- Particle analysis

The Muon II Series modules provides high optical power in a small package for integration into instrumentation. Output beam is circular with high stability.

This laser runs in constant power mode and has adjustable output so you can set to desired level. Besides running in constant power mode, the laser can also be modulated or synchronized to events. This laser is ideal for focusing applications..

Front aperture is threaded for mounting accessories such as focusing optics, polarizers or beam expanders. Laser module has threaded holes on the bottom for mounting or a mounting plate can be used for top mounting.

µLS Micro Laser Systems, Inc.

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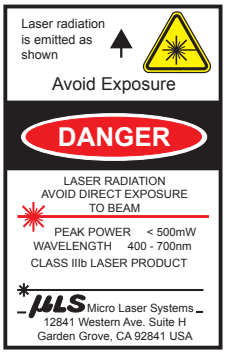
Muon II Series

Specifications

Wavelengths:	405nm to 852nm
Output power:	Adjustable
Power stability:	1%
Beam size:	3-4 mm diameter, 2mm optional
Beam divergence:	<1mrad
Mode:	Single transverse, TEM_{00}
Modulation:	CW to 10kHz
DC power input:	0 to 150mA 5 VDC to 9 VDC
Dimensions:	1.0” x 0.9” x 2.25” (25.4mm x 22.8mm x 57.1mm)
Weight:	2.2 oz. (63.5 g)

These are OEM modules and as such do not comply with CDRH and IEC regulations for an end use product. It is up to the user to make all necessary changes to comply with all regulations.

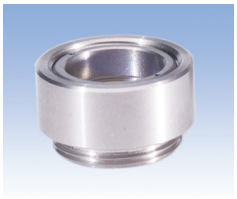


Ordering Information

Model #	Description
MU405-50	405+/-5nm, 50mW
MU450-50	450+/-10nm, 50mW
MU488-40	488+/-2nm, 40mW
MU520-40	520+/-10nm, 40mW
MU635-10	635+/-5nm, 10mW
MU642-50	640+/-5nm, 50mW
MU705-30	705+/-10nm, 30mW
MU852-40	852+/-10nm, 40mW
MUPLATE	Adapter plate to mount from top side

Other wavelengths and power levels are available for this module. Please call or email for your specific requirements.

Accessories such as focusing cells or expanders for illumination can be installed.



Focusing cell with standard focal lengths of 40mm, 50mm, 100mm and 150mm. These screw into the threaded aperture of the Muon II module.

Beam Expander, EX3 with adapter not shown), gives ~8-12mm beam, depending on the wavelength.

Specifications subject to change without notice.

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