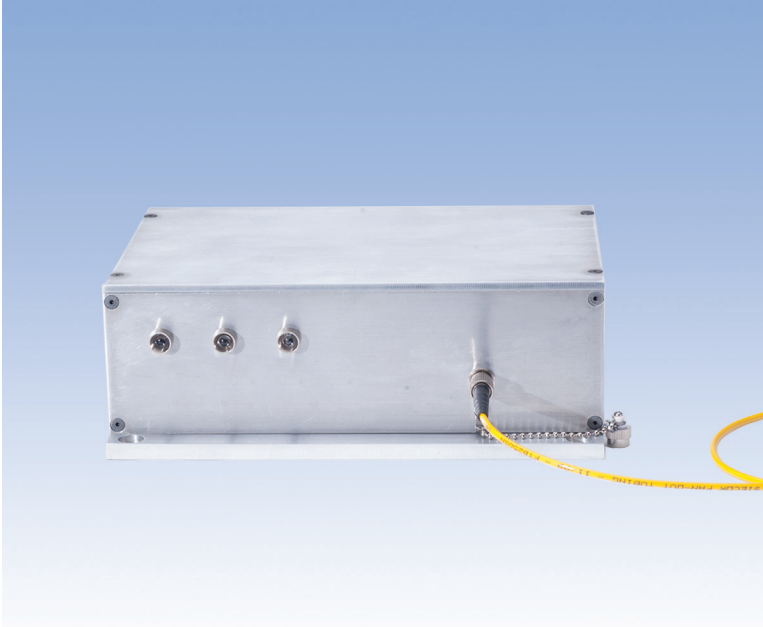


Gluon I RGB Laser



Features

- All fiber design module
- Reds, Blues and Greens lasers
- Individual laser control
- Modulation
- Combined to one output fiber
- Diffraction limited collimator option

Applications

- Flow cytometry
- Display
- Fluorescence microscopy
- Research

The Gluon I RGB Laser uses an all fiber design for a rugged system. This OEM module combines 450nm, 520nm and 640nm into one singlemode fiber.

Other wavelengths of blue, green and red are also available. Each wavelength is combined into a single fiber and the light never goes into free space. This makes for a rugged module that can be made field portable with a battery. To collimate the output of the fiber, our RGB Fiber Collimator will provide a 2mm beam.

Each laser can be individually controlled and be modulated up to 1 MHz by an analog voltage input.

A 15-pin connector has all the pins necessary for control, monitor and power.

We also have available a diffraction limited RGB Fiber Collimator so that each color can focus to the same spot and position.



Phone: 714-898-6001 Email: sales@microlaser.com Web: www.microlaser.com

Gluon I RGB Laser

Specifications

Wavelengths available:	
Red:	640nm
Green:	520nm
Blue:	450nm
Combined output:	> 30mW (10mW or more from each laser)
Modulation:	CW to 500kHz
Mode control:	Constant power
Laser control:	Separate control for each laser
Power requirements:	9 V DC, 800mA
Laser footprint:	6.25" x 7.75" x 2.7"
Weight:	0.063kg (0.141 lb)

Other wavelengths available are:

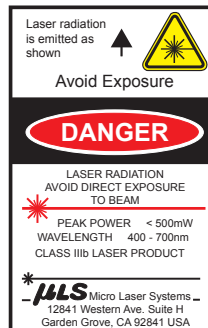
Reds: 633nm, 660nm

Blues: 488nm

Violet: 405nm

Ordering Information

Model #	Description
GL1-RGB-FC	450nm + 520nm + 640nm into one singlemode fiber.
FCX5-RGB-FC	Fiber collimator for 400-700nm range. Yields 2mm beam with diffraction limited performance. FC receptacle.
FCX5-RGB-APC	Fiber collimator for 400-700nm range. Yields 2mm beam with diffraction limited performance. FC/APC pigtail.



Model:	S/N:
Wavelength:	Max. Power:
lth:	l _{op} :
Manufactured:	Micro Laser Systems, Inc.

Specifications subject to change without notice.

Labels are illustrated here to comply with 21 CFR 1040.10 as applicable under the radiations for health and safety act of 1986. Complies with IEC60825-1.2.



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