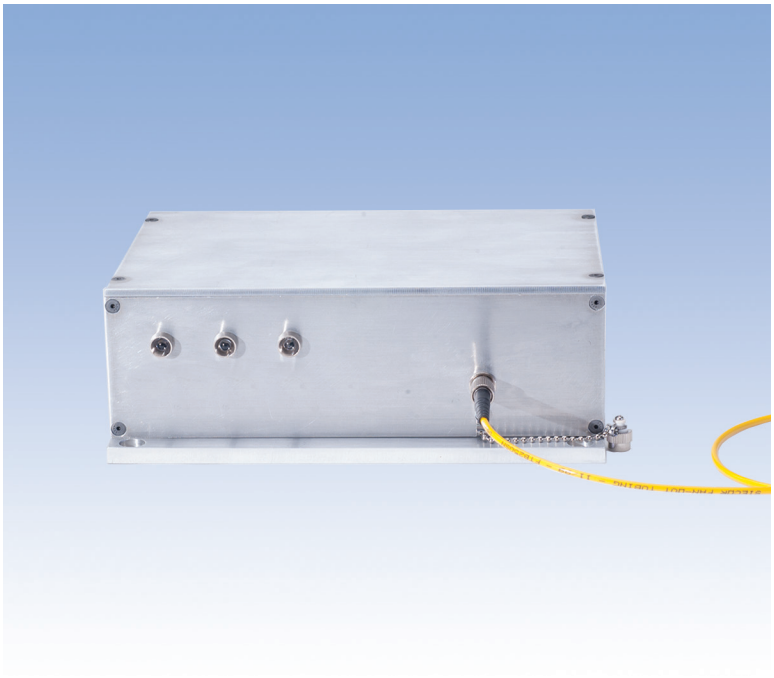
Gluon I
RGB Laser



Features

- **All fiber design module**
- **450nm, 520nm and 640nm**
- **Individual laser control**
- **Modulation**
- **Diffraction limited collimator option**

Applications

- **Flow cytometry**
- **Display**
- **Confocal microscopy**
- **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.

Each laser can be individually controlled and be modulated up to 1 MHz by an analog voltage input. Standard pigtail length is 1 meter. 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.

Micro Laser Systems, Inc.

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

Gluon I RGB Laser

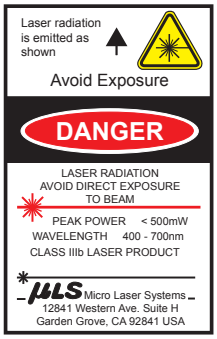
Specifications

Wavelengths available: Red: Green: Blue:	 640nm 520nm 450nm
Combined output:	> 30mW (over 10mW from each laser)
Modulation:	CW to 1 MHz
Mode control:	Constant power or Constant current (factory set)
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-RGB1	450nm + 520nm + 640nm into one singlemode fiber.
FCX5-RGB-FC	Fiber collimator for 400-700nm range. Yields 2mm beam with diffraction limited performance. FC pigtail.
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:
I_{th}: I_{op}:
Manufactured:
Micro Laser Systems, Inc.

Specifications subject to change without notice.

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