



CATALOG

Triplex (RGB) Fiber Coupled

White Light Laser Source



Product Portfolio

630nm 633nm
635nm 638nm
640nm 650nm
653nm 660nm
670nm 680nm
685nm 690nm

Red Laser

705nm
730nm 755nm 760nm
770nm 780nm 785nm
790nm 808nm 820nm
830nm 850nm 860nm
880nm 905nm 915nm
940nm 960nm 980nm
1064nm

IR Laser

505nm 510nm
520nm 525nm
532nm

Green Laser



Laser Diode

Fiber Coupled Laser Module

Fiber Detachable Laser Module

Laser System

425nm
435nm 445nm
450nm 455nm
460nm 465nm
473nm 480nm
488nm 495nm

Blue Laser

375nm
395nm 400nm
405nm 410nm
413nm

UV Laser

1270nm
1290nm 1310nm
1330nm 1350nm 1370nm
1390nm 1410nm 1430nm
1450nm 1470nm 1490nm
1510nm 1530nm 1550nm
1570nm 1590nm 1610nm
1625nm 1650nm
1920nm

IR Laser



WAVESPECTRUM GROUP was founded in 1999. It is comprised by a group of experienced and innovative experts in the fields of laser physics, materials science, electronic technology and mechanical design. It has established solid cooperation with some famous universities, research institutes and laboratories.

Wavespectrum products are widely used in space science, optical communication technology, laser display, laser medical, life sciences and materials processing. With the rapid development, R&D centers and production bases have been established in China and Europe. The current plant area is 4,000 square meters, including 2,000 square meters of Class 1,000 clean workshops.

Wavespectrum products include laser diodes, fiber-coupled laser modules and fiber-coupled laser systems with wavelengths from 375nm to 1920nm. Our products are used in medical, printing, laser display, life science, laser communication and other fields. At present, the products have all passed the certifications of ROHS, REACH, CE, etc. At the same time, we have got ISO9001 quality management system certification.

Wavespectrum has world-class R&D team, and it has the world first-class production processing plants. Our products can meet the military-grade production and design standards. The products are well acclaimed world-wide, such in Germany, Austria, the United States, Japan, South Korea and other parts of the world. We have established close cooperation with a number of well-known enterprises world-wide.

Wavespectrum offers laser products with wavelength ranges from 375nm to 1920nm.

| | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 375nm | 395nm | 400nm | 405nm | 410nm | 413nm | 435nm | 445nm | 450nm | 455nm | 460nm | 465nm | 473nm |
| 480nm | 488nm | 495nm | 505nm | 510nm | 520nm | 525nm | 532nm | 630nm | 633nm | 635nm | 638nm | 640nm |
| 650nm | 653nm | 660nm | 670nm | 680nm | 685nm | 690nm | 705nm | 730nm | 755nm | 760nm | 770nm | 780nm |
| 785nm | 790nm | 808nm | 820nm | 830nm | 850nm | 860nm | 880nm | 905nm | 915nm | 940nm | 960nm | 980nm |
| 1064nm | 1210nm | 1270nm | 1280nm | 1290nm | 1310nm | 1330nm | 1350nm | 1370nm | 1390nm | 1410nm | 1430nm | 1450nm |
| 1470nm | 1490nm | 1510nm | 1530nm | 1550nm | 1570nm | 1590nm | 1610nm | 1625nm | 1650nm | 1720nm | 1900nm | 1920nm |

Pls visit our website for more detailed information: <http://en.wavespectrum-laser.com.cn>

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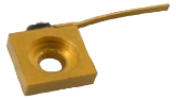
Distributors Wanted World-Wide!

Product Catalogue


Single Mode Laser Diode




Multi-mode Laser Diode




Single Mode Fiber Coupled Laser Module




Multi-mode Fiber Coupled Laser Module




Single Mode Fiber Detachable Laser Module




Multi-mode Fiber Detachable Laser Module



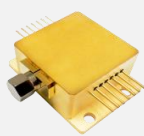
405nm Fiber Detachable Laser Module



405nm High Power Fiber Coupled Laser Source




Medical Laser Module




Window Package High Power Laser Diode




Triplex (RGB) Fiber Coupled White Light Laser Module




Triplex (RGB) Fiber Coupled White Light Laser Source



Duplex (Dual- λ) Single Mode Fiber Coupled Laser Module



Red & Green Aiming Beam for Fiber Laser



Product Catalogue

**Turnkey Fiber Coupled
Diode Laser System**



**OEM Fiber Coupled
Diode Laser System**



**3-channel (Multi-channel)
Fiber Coupled Laser System**



**3-wavelength (Multi-λ)
Fiber Coupled Laser System**



**High Power Fiber
Bundled Laser Module**



**Multi-wavelength Fiber
Coupled Laser Module**



Collimated Laser Diode



Photodiode



Triplex (RGB) Fiber Coupled White Light Laser Source

PRODUCT FEATURE

RGB (635nm+520nm+445nm) Turnkey Laser System
 White Color Laser Output
 SMF/PMF/MMF Optional
 Each Wavelength Independent Control
 Built-in Driver and TE Cooling
 90V~240V AC Input
 TTL/Analog Modulation
 Customized Wavelength/Power/Fiber Type



PRODUCT OVERVIEW

Triplex (RGB) Fiber Coupled White Light Laser Source is the competitive product of WAVESPECTRUM.

The Triplex Laser Source contains the Fiber Coupled Laser Module, LD Driver and Temperature Control System. With an Input of 90V~240V AC input, the Laser Source can easily get to work. Meanwhile, the 635nm, 520nm and 445nm Laser are controlled Independently.

We couple the Red (635nm), Green (520nm) and Blue (445nm) Laser into one piece of fiber to get the white color laser.

The Fiber Type can be Single mode Fiber (SMF) , Multimode Fiber (MMF) and Polarization Maintaining Fiber (PMF) . The fiber core can be 4um, 9um, 105um, etc. By controlling the ratio of RGB Laser, we can get the perfect white color laser. Meanwhile, by adjusting the ratio, various colors of laser also can be obtained.

To ensure the long-time reliability and power stability, each Laser Source will undergo rigorous testing and aging in factory.

WAVESPECTRUM also offer the Customized Solution for Triplex Laser Source, such as Customized Wavelength, Customized Power and Customized Fiber Core to meet the special needs of customers.



| Fiber Type | Part Number | Wavelength-1 | Wavelength-2 | Wavelength-3 | Fiber Core | Connector | Power Supply | TE Cooling | Case Model No |
|------------|-------------------------|--------------|--------------|--------------|------------|-----------|--------------|------------|---------------|
| SMF | Triplex-WLSL-RGB-010m-4 | 638nm/10mW | 520nm/10mW | 445nm/10mW | 3um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-015m-4 | 638nm/15mW | 520nm/15mW | 445nm/15mW | 3um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-020m-4 | 638nm/20mW | 520nm/20mW | 445nm/20mW | 3um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| SMF-28 | Triplex-WLSL-RGB-030m-9 | 638nm/30mW | 520nm/30mW | 445nm/30mW | 9um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-050m-9 | 638nm/50mW | 520nm/50mW | 445nm/50mW | 9um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| MMF | Triplex-WLSL-RGB-030m-M | 638nm/30mW | 520nm/30mW | 445nm/30mW | 105um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-050m-M | 638nm/50mW | 520nm/50mW | 445nm/50mW | 105um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-080m-M | 638nm/80mW | 520nm/80mW | 445nm/80mW | 105um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-100m-M | 638nm/100mW | 520nm/100mW | 445nm/100mW | 105um | FC/SMA905 | 90V~240VAC | ✓ | A-200 |
| | Triplex-WLSL-RGB-001-M | 638nm/1W | 520nm/1W | 445nm/1W | 105um | FC/SMA905 | 90V~240VAC | ✓ | A-300 |

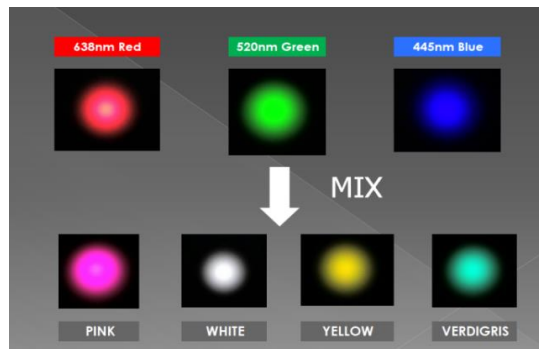
Analog Modulation Optional | TTL Modulation Optional | Case Model: A-200 / A-300

Note: ✓:Yes, ○:Optional, ×:No.

| Various Wavelength Optional | |
|-----------------------------|---------------------------------------|
| Port-1 | 405nm 445nm |
| Port-2 | 488nm 505nm 520nm 525nm |
| Port-3 | 638nm 658nm 670nm 685nm 785nm |

| Various Fiber Type Optional | |
|-----------------------------|----------------------------|
| SMF | 3um |
| PMF | 3um |
| MMF | 9um 50um 105um 200um |

Laser Beam With SMF:



Triplex Laser System Packing View (A200):

280mm*258mm*87mm.

