

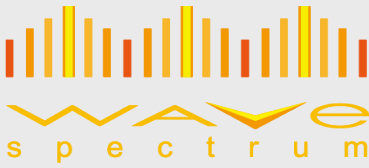


# CATALOG

**Multi-wavelength Fiber Coupled**

**Laser Module**





**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 405nm 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 ISO90001 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 405nm to 1920nm.**

405nm	445nm	465nm	488nm	505nm	515nm	520nm	525nm	635nm	650nm	660nm	670nm	680nm
685nm	760nm	785nm	790nm	808nm	830nm	850nm	860nm	880nm	905nm	915nm	940nm	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

## CONTACT US

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**Distributors Wanted World-Wide!**

# PRODUCT CONTENTS

Single Mode Fiber  
Coupled Laser Diode



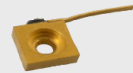
Multi-mode Fiber Coupled  
Laser Module



Single Mode Laser Diode



Multi-mode Laser Diode



Collimated Laser Diode



Turnkey Fiber Coupled  
Diode Laser System



OEM Fiber Coupled Diode  
Laser System



Fiber Receptacle Laser  
Module



405nm High Power Fiber  
Coupled Laser Source



405nm Fiber Receptacle  
Laser Module



Red & Green Aiming Beam  
for Fiber Laser



Triplex (RGB) Fiber Coupled  
White Laser Module



Triplex (RGB) Fiber Coupled  
White Laser System



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



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



Multi-wavelength Fiber  
Coupled Laser Module



High Power Fiber  
Bundled Laser Module



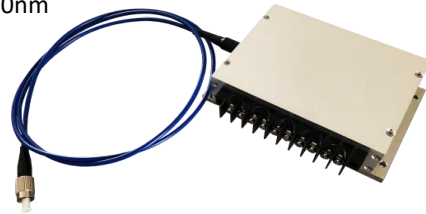
Photodiode



## Multi-wavelength Fiber Coupled Laser Module

### PRODUCT FEATURE

Dual/Tri/Multi-wavelength Solution Optional  
 Any Wavelength Combination is optional from 405nm to 1920nm  
 Multimode Fiber Output  
 400um Fiber Core  
 Built-in TE Cooler Optional  
 Built-in Photodiode Optional  
 Long Lifetime  
 High Stability  
 Customized Wavelength/Power/Fiber Core



### PRODUCT OVERVIEW

Multi-wavelength Fiber Coupled Laser Module is the competitive product of WAVESPECTRUM.

We offer Dual-wavelength Laser Module, Tri-wavelength Laser Module and Multi-wavelength Laser Module , you can choose any wavelength combination from 405nm to 1920nm range. This Laser Module is mainly used for Medical Application. We can integrate the TE Cooler and Photodiode into the Laser Module. The Output Power for each wavelength is customized. The wavelength combination is also customized.

WAVESPECTRUM use laser welding technology to guarantee the long-term reliability of the laser structure. To ensure the long-term reliability, each laser module will undergo rigorous testing and aging in the factory. Meanwhile the high-low storage temperature circulation is also necessary for each laser module. We set the storage temperature range from -40°C to +85°C, and it lasts 10 cycles, which will ensure the long-term reliability of the coupling structure.



Dual-wavelength Fiber Coupled Laser module							
Part Number	Wavelength	Output Power	Fiber Core	Package	Connector	TEC	PD
WSLB-650/100m-980/030-H-T	λ-1 658nm	100mW	<400um	P2	FC/SMA905	√	○
	λ-2 980nm	30W					
WSLB-635/300m-808/012-H-T	λ-1 635nm	300mW	<400um	P2	FC/SMA905	√	○
	λ-2 808nm	12W					
WSLB-650/500m-1470/012-H-T	λ-1 658nm	500mW	<400um	P2	FC/SMA905	√	○
	λ-2 1470nm	12W					
Note	(1) The Wavelength is optional, customer can choose any 2 wavelength from 405nm~1920nm. (2) The Output Power is customized for each wavelength.						

Note: √:Yes, ○:Optional, x:No.

Tri-wavelength Fiber Coupled Laser Module							
Part Number	Wavelength	Output Power	Fiber Core	Package	Connector	TEC	PD
WSLB-635/100m-808/007-980/007-H-T	λ-1 635nm	100mW	<300um	P2	FC/SMA905	√	○
	λ-2 808nm	7W					
	λ-3 980nm	7W					
WSLB-635/001-808/012-980/012-H-T	λ-1 635nm	1W	<400um	P2	FC/SMA905	√	○
	λ-2 808nm	12W					
	λ-3 980nm	12W					
WSLB-650/100m-940/012-980/012-H-T	λ-1 658nm	100mW	<300um	P2	FC/SMA905	√	○
	λ-2 940nm	12W					
	λ-3 980nm	12W					
Note	(1) The Wavelength is optional, customer can choose any 3 wavelength from 405nm~1920nm. (2) The Output Power is customized for each wavelength.						

Note: √:Yes, ○:Optional, x:No.

Note The Multi-wavelength solution is available, you can choose any wavelength combination from 405nm to 1920nm range. The detailed wavelength list is below:

405nm	445nm	465nm	488nm	505nm	515nm	520nm	525nm	635nm	650nm	660nm	670nm	680nm
685nm	760nm	785nm	790nm	808nm	830nm	850nm	860nm	880nm	905nm	915nm	940nm	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

P2 Packing View:

