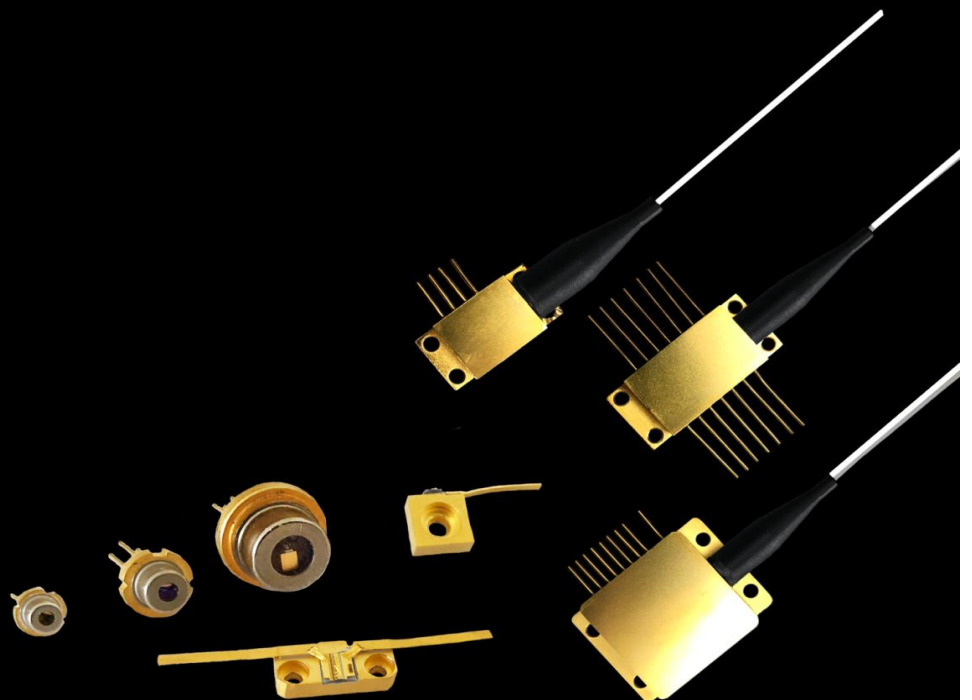


CATALOG

Multi-mode Laser Diode





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



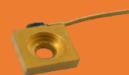
Multi-mode Fiber Coupled
Laser Module



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-mode Laser Diode

PRODUCT FEATURE

405nm~1920nm
 Multi-mode Beam Output
 300mW~15W Output Power
 TO18 /TO5 /TO3 /C-mount/E-mount Package
 FAC Lens Optional
 Built-in Photodiode Optional
 Long Lifetime
 High Stability



PRODUCT OVERVIEW

Multi-mode Laser Diode is the competitive product of WAVESPECTRUM.

We offer the high quality laser diode with multi-mode beam, the wavelength range is from 405nm to 1920nm and the output power is from 300mW to 15W. The photodiode is optional for the lasers. Meanwhile, the FAC Lens is optional. With FAC Lens, we can offer 1:1 Square Beam and 1:4 , 1:8 Line Shape Beam. The standard package can be TO18, TO5, TO3, C-mount , E-mount and H-mount package.

WAVESPECTRUM adopt AuSn solder technology to package the laser diode. To ensure the long-term reliability, each laser diode will undergo rigorous testing and aging in factory. Meanwhile the high-low storage temperature circulation is also necessary for each laser diode. We set the storage temperature range from -40°C to +85°C, and it lasts 10 cycles, which will ensure the long-term Stability of Laser Diode.



Wavelength	Part Number	Output Power	Mode Type	Laser Type	Package	PD	FAC
405nm	WSLD-405-300m-1	300mW	MM	FP	TO18	×	×
	WSLD-405-400m-1	400mW	MM	FP	TO18	×	×
445nm	WSLD-445-1500m-1	1.5W	MM	FP	TO18	×	×
	WSLD-445-4500m-2	4.5W	MM	FP	TO5	×	○
	WSLD-445-4500m-K	4.5W	MM	FP	TO5	×	×
	WSLD-445-4500m-2-FAC	4.5W	MM	FP	TO5	×	√
520nm	WSLD-520-001-2	1W	MM	FP	TO5	×	○
	WSLD-520-001-K	1W	MM	FP	TO5	×	×
	WSLD-520-001-2-FAC	1W	MM	FP	TO5	×	√
525nm	WSLD-525-001-2	1W	MM	FP	TO5	×	○
	WSLD-525-001-K	1W	MM	FP	TO5	×	×
	WSLD-525-001-2-FAC	1W	MM	FP	TO5	×	√
635nm	WSLD-635-500m-C	500mW	MM	FP	C-mount	×	○
	WSLD-635-500m-1-FAC	500mW	MM	FP	TO18	×	√
	WSLD-635-700m-1	700mW	MM	FP	TO18	×	×
	WSLD-635-001-2	1W	MM	FP	TO5	×	○
	WSLD-635-002-2	2W	MM	FP	TO5	×	○
	WSLD-635-001-2-FAC	1W	MM	FP	TO5	×	√
	WSLD-635-002-2-FAC	2W	MM	FP	TO5	×	√
658nm	WSLD-650-001-C	1W	MM	FP	C-mount	×	○
	WSLD-650-001-3	1W	MM	FP	TO3	×	○
	WSLD-650-001-E	1W	MM	FP	E-mount	×	○
680nm	WSLD-680-001-C	1W	MM	FP	C-mount	×	○
	WSLD-680-001-3	1W	MM	FP	TO3	×	○
	WSLD-680-001-E	1W	MM	FP	E-mount	×	○
785nm	WSLD-785-003-C	3W	MM	FP	C-mount	×	○
	WSLD-785-003-E	3W	MM	FP	E-mount	×	○
	WSLD-785-003-H	3W	MM	FP	H-mount	×	○
	WSLD-785-005-C	5W	MM	FP	C-mount	×	○
	WSLD-785-005-E	5W	MM	FP	E-mount	×	○
	WSLD-785-005-H	5W	MM	FP	H-mount	×	○
808nm	WSLD-808-300m-1-PD	300mW	MM	FP	TO18	√	×
	WSLD-808-001-2-PD	1W	MM	FP	TO5	√	○
	WSLD-808-002-2	2W	MM	FP	TO5	○	○
	WSLD-808-003-C	3W	MM	FP	C-mount	×	○
	WSLD-808-003-2	3W	MM	FP	TO5	○	○
	WSLD-808-003-3	3W	MM	FP	TO3	×	○
	WSLD-808-005-C	5W	MM	FP	C-mount	×	○
	WSLD-808-005-3	5W	MM	FP	TO3	×	○
	WSLD-808-005-E	5W	MM	FP	E-mount	×	○

Note: √:Yes, ○:Optional, ×:No.

Wavelength	Part Number	Output Power	Mode Type	Laser Type	Package	PD	FAC
808nm	WSLD-808-005-H	5W	MM	FP	H-mount	×	○
	WSLD-808-008-E	8W	MM	FP	E-mount	×	○
	WSLD-808-008-H	8W	MM	FP	H-mount	×	○
	WSLD-808-010-E	10W	MM	FP	E-mount	×	○
	WSLD-808-010-H	10W	MM	FP	H-mount	×	○
830nm	WSLD-830-001-2-PD	1W	MM	FP	TO5	√	○
	WSLD-830-002-2	2W	MM	FP	TO5	○	○
	WSLD-830-003-C	3W	MM	FP	C-mount	×	○
	WSLD-830-003-3	3W	MM	FP	TO3	×	○
	WSLD-830-003-E	3W	MM	FP	E-mount	×	○
	WSLD-830-003-H	3W	MM	FP	H-mount	×	○
850nm	WSLD-850-300m-1-PD	300mW	MM	FP	TO18	√	×
	WSLD-850-500m-1	500mW	MM	FP	TO18	×	×
	WSLD-850-500m-1-PD	500mW	MM	FP	TO18	√	×
	WSLD-850-800m-1	800mW	MM	FP	TO18	×	×
	WSLD-850-001-1	1W	MM	FP	TO18	×	×
860nm	WSLD-860-001-2-PD	1W	MM	FP	TO5	√	○
	WSLD-860-002-2	2W	MM	FP	TO5	○	○
	WSLD-860-003-2	3W	MM	FP	TO5	○	○
	WSLD-860-003-3	3W	MM	FP	TO3	×	○
	WSLD-860-003-C	3W	MM	FP	C-mount	×	○
	WSLD-860-003-E	3W	MM	FP	E-mount	×	○
880nm	WSLD-880-003-C	3W	MM	FP	C-mount	×	○
	WSLD-880-003-3	3W	MM	FP	TO3	×	○
	WSLD-880-003-E	3W	MM	FP	E-mount	×	○
	WSLD-880-003-H	3W	MM	FP	H-mount	×	○
	WSLD-880-008-E	8W	MM	FP	E-mount	×	○
	WSLD-880-008-H	8W	MM	FP	H-mount	×	○
915nm	WSLD-915-012-E	12W	MM	FP	E-mount	×	○
	WSLD-915-012-H	12W	MM	FP	H-mount	×	○
	WSLD-915-015-E	15W	MM	FP	E-mount	×	○
	WSLD-915-015-H	15W	MM	FP	H-mount	×	○
940nm	WSLD-940-001-2-PD	1W	MM	FP	TO5	√	○
	WSLD-940-002-2	2W	MM	FP	TO5	○	○
	WSLD-940-003-C	3W	MM	FP	C-mount	×	○
	WSLD-940-003-3	3W	MM	FP	TO3	×	○
	WSLD-940-005-C	5W	MM	FP	C-mount	×	○
	WSLD-940-005-3	5W	MM	FP	TO3	×	○
	WSLD-940-012-E	12W	MM	FP	E-mount	×	○
	WSLD-940-012-H	12W	MM	FP	H-mount	×	○

Note: √:Yes, ○:Optional, ×:No.

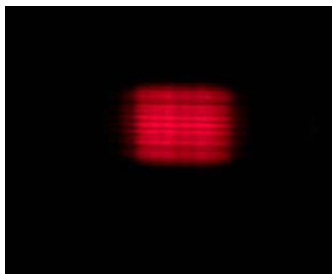
Wavelength	Part Number	Output Power	Mode Type	Laser Type	Package	PD	FAC
940nm	WSLD-940-015-E	15W	MM	FP	E-mount	×	○
	WSLD-940-015-H	15W	MM	FP	H-mount	×	○
980nm	WSLD-980-200m-1-PD	200mW	MM	FP	TO18	√	×
	WSLD-980-001-2-PD	1W	MM	FP	TO5	√	○
	WSLD-980-002-2	2W	MM	FP	TO5	○	○
	WSLD-980-003-C	3W	MM	FP	C-mount	×	○
	WSLD-980-003-3	3W	MM	FP	TO3	×	○
	WSLD-980-004-C	4W	MM	FP	C-mount	×	○
	WSLD-980-004-3	4W	MM	FP	TO3	×	○
	WSLD-980-005-C	5W	MM	FP	C-mount	×	○
	WSLD-980-005-3	5W	MM	FP	TO3	×	○
	WSLD-980-012-E	12W	MM	FP	E-mount	×	○
	WSLD-980-012-H	12W	MM	FP	H-mount	×	○
	WSLD-980-015-E	15W	MM	FP	E-mount	×	○
	WSLD-980-015-H	15W	MM	FP	H-mount	×	○
	1064nm	WSLD-1064-008-E	8W	MM	FP	E-mount	×
WSLD-1064-008-H		8W	MM	FP	H-mount	×	○
WSLD-1064-010-E		10W	MM	FP	E-mount	×	○
WSLD-1064-010-H		10W	MM	FP	H-mount	×	○
1210nm	WSLD-1210-1500m-C	1.5W	MM	FP	C-mount	×	○
	WSLD-1210-1500m-3	1.5W	MM	FP	TO3	×	○
	WSLD-1210-1500m-E	1.5W	MM	FP	E-mount	×	○
	WSLD-1210-1500m-H	1.5W	MM	FP	H-mount	×	○
1280nm	WSLD-1280-1500m-C	1.5W	MM	FP	C-mount	×	○
	WSLD-1280-1500m-3	1.5W	MM	FP	TO3	×	○
	WSLD-1280-1500m-E	1.5W	MM	FP	E-mount	×	○
	WSLD-1280-1500m-H	1.5W	MM	FP	H-mount	×	○
1310nm	WSLD-1310-1500m-C	1.5W	MM	FP	C-mount	×	○
	WSLD-1310-1500m-3	1.5W	MM	FP	TO3	×	○
	WSLD-1310-1500m-E	1.5W	MM	FP	E-mount	×	○
	WSLD-1310-1500m-H	1.5W	MM	FP	H-mount	×	○
1330nm	WSLD-1330-1500m-C	1.5W	MM	FP	C-mount	×	○
	WSLD-1330-1500m-3	1.5W	MM	FP	TO3	×	○
	WSLD-1330-1500m-E	1.5W	MM	FP	E-mount	×	○
	WSLD-1330-1500m-H	1.5W	MM	FP	H-mount	×	○
1450nm	WSLD-1450-002-E	2W	MM	FP	E-mount	×	○
	WSLD-1450-002-H	2W	MM	FP	H-mount	×	○
1470nm	WSLD-1470-001-C	1W	MM	FP	C-mount	×	○
	WSLD-1470-001-3	1W	MM	FP	TO3	×	○
	WSLD-1470-003-E	3W	MM	FP	E-mount	×	○

Note: √:Yes, ○:Optional, ×:No.

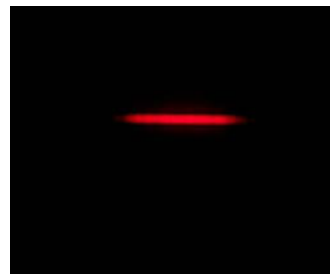
Wavelength	Part Number	Output Power	Mode Type	Laser Type	Package	PD	FAC
1470nm	WSLD-1470-003-H	3W	MM	FP	H-mount	×	○
1490nm	WSLD-1490-2500m-C	2.5W	MM	FP	C-mount	×	○
	WSLD-1490-2500m-3	2.5W	MM	FP	TO3	×	○
	WSLD-1490-2500m-E	2.5W	MM	FP	E-mount	×	○
	WSLD-1490-2500m-H	2.5W	MM	FP	H-mount	×	○
1530nm	WSLD-1530-002-E	2W	MM	FP	E-mount	×	○
	WSLD-1530-002-H	2W	MM	FP	H-mount	×	○
1550nm	WSLD-1550-003-E	3W	MM	FP	E-mount	×	○
	WSLD-1550-003-H	3W	MM	FP	H-mount	×	○
1720nm	WSLD-1720-001-C	1W	MM	FP	C-mount	×	○
	WSLD-1720-001-3	1W	MM	FP	TO3	×	○
	WSLD-1720-001-E	1W	MM	FP	E-mount	×	○
	WSLD-1720-001-H	1W	MM	FP	H-mount	×	○
1900nm	WSLD-1900-700m-C	700mW	MM	FP	C-mount	×	○
	WSLD-1900-700m-3	700mW	MM	FP	TO3	×	○
	WSLD-1900-700m-E	700mW	MM	FP	E-mount	×	○
	WSLD-1900-700m-H	700mW	MM	FP	H-mount	×	○
1920nm	WSLD-1920-700m-C	700mW	MM	FP	C-mount	×	○
	WSLD-1920-700m-3	700mW	MM	FP	TO3	×	○
	WSLD-1920-700m-E	700mW	MM	FP	E-mount	×	○
	WSLD-1920-700m-H	700mW	MM	FP	H-mount	×	○

Note: √:Yes, ○:Optional, ×:No.

Beam Spot Shape:



With FAC lens (1:1)



With FAC lens (1:4)

