ADVANCED LASER TECHNOLOGY TRUSTED BY TOP COMPANIES FOR OVER 55 YEARS

2024 DISTRIBUTOR SHOWCASE

Power Technology incorporated

261 nm + Wavelengths

0.1 mW - 700 W+ Output Power

Quick Shipping & Lead Time

Highly Customizable

Made in USA Since 1969

LEARN MORE:

CONTACT US
501.407.0712

VISIT OUR WEBSITE
PowerTechnology.com

LASERS FOR LIFE SCIENCE & BIOMEDICAL APPLICATIONS

Light sources and systems that provide optimum solutions for medical applications and the advancement of healthcare.

TRUSTED BY SCIENTISTS FOR OVER 55 YEARS

DIODE PUMPED SOLID STATE
LKG LASERS

The LKG series DPSS lasers deliver green and yellow light suitable for applications that require excellent wavelength and temperature stability. The LKG presents a more cost effective option for DPSS lasers while maintaining features like microprocessor control and a precision current source.

- 532 - 561 nm DPSS-based Laser Light
- Ultra-stable Temperature Control
- Onboard Microprocessor
- Cost Effective DPSS
- Excellent Wavelength Stability
- Precision Current Source

BEST SELLING
IQ LASERS

The IQ series laser diode modules are engineered for high-end OEM applications, offering superior optical quality and ultra-stable performance. Spanning a wide variety of wavelengths, with precision current source and PID temperature control for efficient operation.

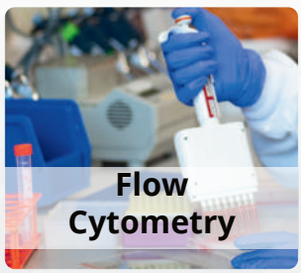
- UV, Visible & IR wavelengths available
- Stable Wavelengths & Output Power
- Adjustable Focus
- CW Digital/Analog Output
- PID Temperature Control Loop
- Beam Pointing Stability < 5 µRad/ °C

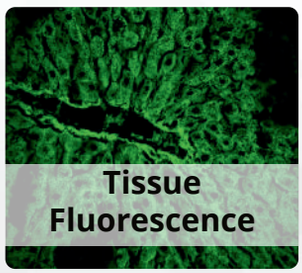
HIGHLY VERSATILE
CK LASERS

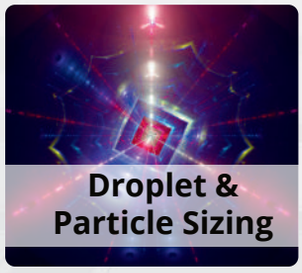
The CK series of advanced microprocessor-controlled laser diode modules are designed for seamless integration with industry standards. Ultra-precise beam pointing, wavelength, and output power. CW, TTL, and analog modulation of 150+ MHz with no need for external control boxes.

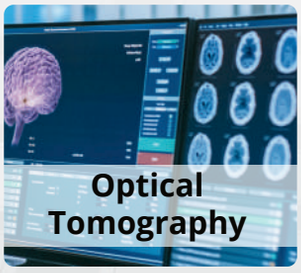
- UV, Visible & IR wavelengths available
- Stable Wavelengths & Output Power
- Adjustable Focus
- Analog, or TTL Digital Modulation
- Onboard microprocessor, USB & RS-232
- Circularized or Standard Elliptical beam

CUSTOM LASER LIGHT SOURCES AVAILABLE









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VISIT OUR WEBSITE
PowerTechnology.com/LifeSciences

LASERS FOR PRECISION AGRICULTURE & FOOD SAFETY

Our lasers are used in hyperspectral imaging, pest control, food grading, land leveling, pathogen detection & more.

SOLUTIONS FOR THE AGRICULTURE INDUSTRY

261 NM DEEP UV-C LASER

NEWV LASER

Unlike many other UV lasers, NewV produces more than 10mW of CW output, making it ideal for those that require stability and high-power. Deep UV at 261nm makes NewV suitable for applications including Raman spectroscopy, fluorescence, inspection - to name a few.

- Unique 261 nm of deep ultraviolet light
- 10 mW Continuous Wave Output
- Narrow Linewidth
- Onboard Microprocessor
- Low-Divergence Output Beam
- Compact Size

BEST SELLING

IQ SERIES LASERS

The IQ series laser diode modules are engineered for high-end OEM applications, offering superior optical quality and ultra-stable performance. Spanning a wide variety of wavelengths, with precision current source and PID temperature control for efficient operation.

- Visible, IR & UV wavelengths available
- Stable Wavelengths & Output Power
- Adjustable Focus
- CW Digital/Analog Output
- PID Temperature Control Loop
- Beam Pointing Stability < 5 µRad/ °C

RUGGED OEM LASER MODULES

PM SERIES

Power Technology's PM family of lasers offers a variety of industrial-grade laser modules designed for use in standard or rugged OEM environments, and contains a precision current source ideal for applications demanding durability and stable output power.

- Visible, IR & UV Wavelengths Available
- Stable Wavelengths & Output Power
- Diffraction Limited Optical Performance
- Low Voltage, 8 VDC Operation
- Precision Current Source
- Focused or Collimated Beam

CUSTOM-MADE LASER SOLUTIONS

For users seeking a specialized module outside of our standard product line, we perform many custom design and manufacturing services. We house a full-service machine shop, complete with milling and turning equipment capable of handling large-scale production jobs, as well as R&D projects and prototype creation. In addition, we can harness our in-house pick-and-place capabilities to construct a variety of detailed boards at rapid speed achieving both high and low volume production.

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HELPING AGRICULTURE THRIVE SINCE 1969

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LASERS FOR SAWMILL & TIMBER INDUSTRIES

Located in the heart of America's woodbasket, PTI is strategically positioned to serve the timber and sawmill industry's laser needs.

SOLUTIONS FOR THE TIMBER INDUSTRY

UNIFORM INTENSITY LINE LASER
PNF SERIES

The PNF Series of machine vision lasers can be configured for optimal performance at close or long range. PTI's unique Variable Focus (TM) Technology allows the user to calibrate the focus of the module and then re-tune the line generator for optimal performance.

- 405 nm - 2330 nm Wavelengths
- 0.1 mW - 200 mW of Output Power
- CW, Digital, Analog Modulation <500 kHz
- Variable Focus (TM) Technology
- High Optical Power Stability
- Many Optional Features Available

BEST SELLING
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CUSTOM-MADE LASERS FOR YOUR SPECIFIC NEEDS

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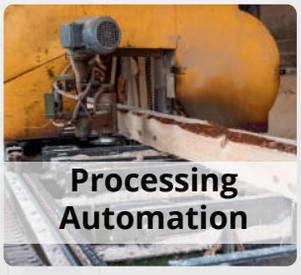

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LASERS FOR DEFENSE & AEROSPACE APPLICATIONS

We deliver customized tactical laser solutions for defense and aerospace industries, compliant with ITAR and other standards.

SUPPORTING MILITARY & DEFENSE SINCE 1969

EXTREME ENVIRONMENT LASERS
HRM & HRMX SERIES

The HRM platform features two performance levels, one offering functionality in temperatures of up to 85 °C (high temperature) and another with operation in up to 175 °C (extreme temperature) for more demanding conditions. Plus, they're IP67 rated.

- ☑ UV, Visible & IR wavelengths available
- ☑ Stable Output up to 175°C
- ☑ Two Performance Levels Available
- ☑ Sealed Mini USB Connector
- ☑ iP67 Rated for Water & Dust Resistance
- ☑ Modulation on Future Models

ULTRA-STABILITY LASERS
IQ SERIES

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- ☑ Adjustable Focus
- ☑ CW Digital/Analog Output
- ☑ PID Temperature Control Loop
- ☑ Beam Pointing Stability < 5 µRad/ °C

Defense / Military Applications	Common Wavelengths
Anthrax Detection	375 nm
Daylight Visible Aiming	532 nm
Pointing & Alignment	635 nm
Infrared Illumination	830 nm / 850 nm
Target Designation	1064 nm
Missile Guidance System Testing	1064 nm, pulsed
Range Finding	1550 nm
FLIR Calibration	1930 nm
Lasers Blind to NVG & FLIR	2330 nm
Infrared Countermeasures	>3000 nm
VR Training Projection	RGB Combined

NAICS CODES & CAPABILITIES

334515 - Instrument Manufacturing for Measuring & Testing Electricity & Electrical Signals
334511 - Search, Detection, Navigation, Guidance, Aeronautical, & Nautical Systems and Instrument Manufacturing
333314 - Optical Instrument & Lens Manufacturing
334413 - Semiconductor& Related Device Manufacturing
334516 - Analytical Laboratory Instrument Manufacturing
541715 - Guided Missile & Space Vehicle Parts Manufacturing (except engines) Research & Development
334510 - Laser Equipment Electromedical Manufacturing
335999 - All Other Miscellaneous Electrical Equipment and Component Manufacturing
334511 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

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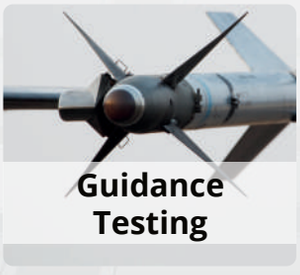
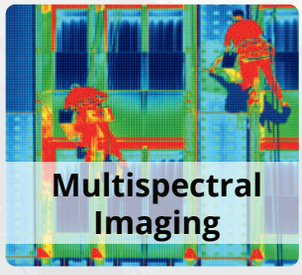

Guidance Testing


Infrared Illumination


Target Designation


Multispectral Imaging

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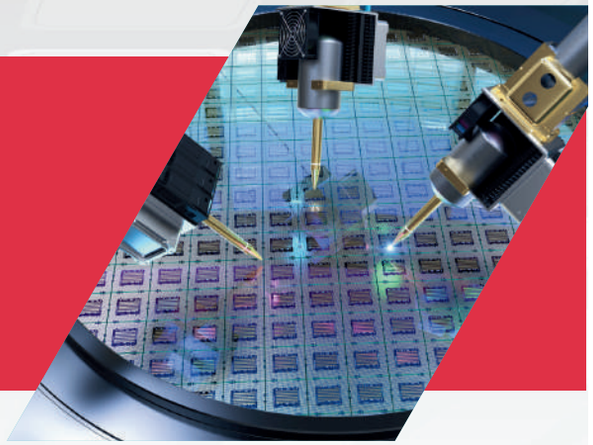
SEMICONDUCTOR MANUFACTURING LASERS

We make lasers for semiconductor inspection, marking, wafer dicing and annealing, mask writing and inspection, plus more.



SOLUTIONS FOR THE SEMICONDUCTOR INDUSTRY

261 NM DEEP UV-C LASER
NEWV LASER

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- 10 mW Continuous Wave Output
- Narrow Linewidth
- Onboard Microprocessor
- Low-Divergence Output Beam
- Compact Size

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- Circularized or Standard Elliptical beam

CUSTOM SOLUTIONS FOR THE SEMICONDUCTOR INDUSTRY

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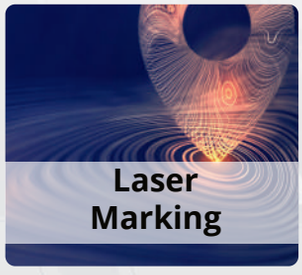
OVER 55 YEARS OF LASER LIGHT FOR CHIP MANUFACTURING



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PowerTechnology.com/Semiconductors

LASERS FOR INDUSTRIAL APPLICATIONS

From alignment to laser-welding, our lasers made for industrial and manufacturing environments are built to last.

JUST A FEW OF OUR INDUSTRIAL SOLUTIONS

WATER RESISTANT IP67 LASERS
WRM SERIES

The WRM laser module is IP67-rated for water and dust resistance, perfect for demanding environments like stone cutting and food processing. It offers 0.1-150 mW power, 450-980 nm wavelengths, supports 5VDC/24VDC, and has ten fan angles for varied applications.

ALIGNMENT & POINTING LASERS
RS/GS SERIES

This series of compact laser diode modules is designed for cost-sensitive applications. The red and green units operate in automatic power control mode. Fully adjustable for focus or collimation. For especially demanding applications, we recommend incorporating a heat sink onto the laser module.

MACHINE VISION LASERS
PNF SERIES

The PNF Series of machine vision lasers can be configured for optimal performance at close or long range. PTI's unique Variable Focus (TM) Technology allows the user to calibrate the focus of the module and then re-tune the line generator for optimal performance.

WELDING & CUTTING LASERS
CLEARCUT

ClearCut lasers feature unique wavelengths of 445nm and 450nm for maximum absorption, complemented by a range of power options and air-cooling for optimal performance. Ideal for a variety of applications, including welding, cutting, fabrication, battery manufacturing, entertainment, medical procedures, and optical pumping,

LIGHT MATERIAL PROCESSING LASER
GRANDE SERIES

The Grande laser provides up to 20 Watts of optical power for demanding applications that require high output powers. Controlled by an internal micro-processor, the design features an LCD display, which provides users safety status as well as real time information on power current settings and internal temperature.

RUGGED OEM ENVIRONMENT LASER
PM SERIES

Power Technology's PM family of lasers offers a variety of industrial-grade laser modules designed for use in standard or rugged OEM environments, and contains a precision current source ideal for applications demanding durability and stable output power.

SUPPORTING INDUSTRIAL APPLICATIONS FOR OVER 55 YEARS

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LASERS FOR THE JEWLERY & WATCHMAKING INDUSTRY

State-of-the-art laser technology designed for exceptional stability and control during precious metals processing.

HIGH PRECISION LIGHT SOURCES

WELDING & CUTTING LIGHT ENGINE
CLEARCUT

The ClearCut Laser Engine, specifically engineered for copper, silver, and gold fabrication, offers up to 20 times faster efficiency with optimal 450 nm wavelength. With its easy-to-integrate air-cooled architecture and precise control over laser output, it significantly reduces fabrication time and costs.

- Unique 450 nm for optimal absorption
- 20x faster than traditional cutting lasers
- Air-cooled for easy integration
- Precise fiber output (105-220 µm)
- Options from 25 to 900 + Watts
- Industry-Lowest BPP (8.44 mm-mrad)

LIGHT MATERIAL PROCESSING LASER
GRANDE SERIES

The Grande laser, controlled by an internal microprocessor, delivers up to 20 Watts of power for high-demand applications. With an LCD display and passive cooling, it ensures real-time information, user-friendly control, and optimal performance. Ideal for light material processing.

- Visible, IR & UV Wavelengths Available
- 20 + Watts of Optical Power Available
- Wide Range of Powers and Fan Angles
- Adjustable Focus, Current, and Bias
- Passive Cooling Enables Ultra-Stability
- Compact Rugged Industrial-Grade Design

UNIFORM INTENSITY LINE LASER
PNF SERIES

The PNF Series of machine vision lasers can be configured for optimal performance at close or long range. PTI's unique Variable Focus (TM) Technology allows the user to calibrate the focus of the module and then re-tune the line generator for optimal performance.

- 405 nm - 2330 nm Wavelengths
- 0.1 mW - 200 mW of Output Power
- CW, Digital, Analog Modulation <500 kHz
- Variable Focus (TM) Technology
- High Optical Power Stability
- Many Optional Features Available

CUSTOM-MADE LASER SOLUTIONS

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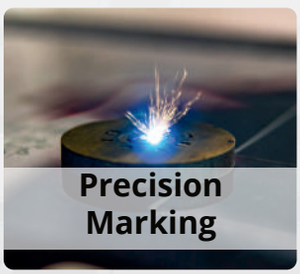
MORE INFO SCAN ME SCAN ME MORE INFO

DESIGNED FOR JEWELRY AND WATCHMAKING APPLICATIONS



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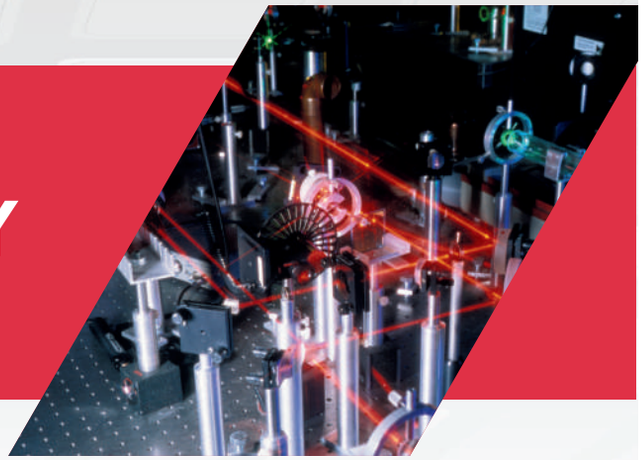
LASERS FOR SCIENTIFIC RESEARCH & METROLOGY

Photonics-based solutions for a wide range of scientific applications including spectroscopy and holography.



SUPPORTING RESEARCH FOR OVER 55 YEARS

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- Narrow Linewidth
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CUSTOM-MADE LASERS TO FURTHER SCIENCE

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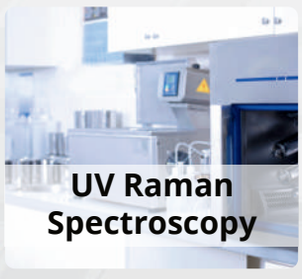
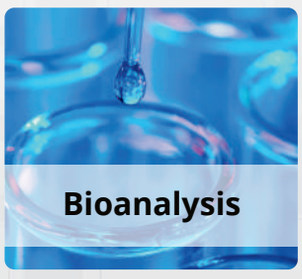
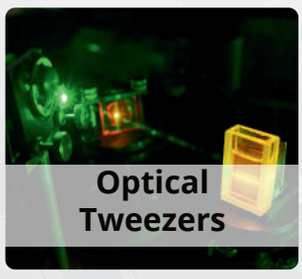
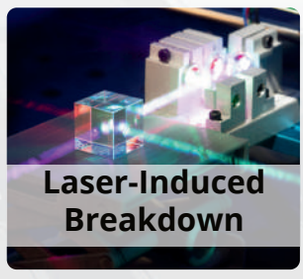
DESIGNED FOR SCIENTIFIC AND ANALYTICAL APPLICATIONS









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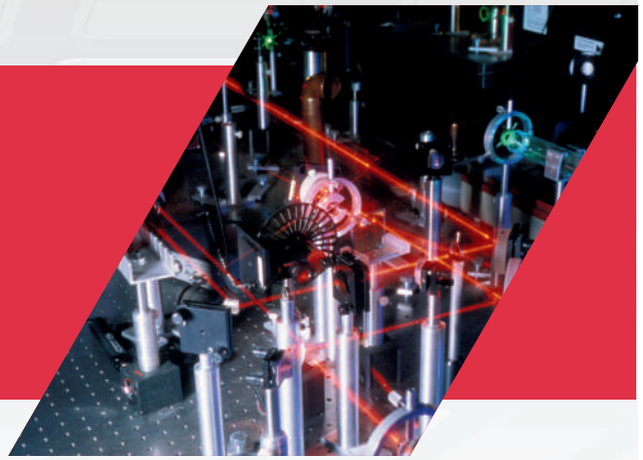
MACHINE VISION AND AUTOMATION LASERS

Photonics-based solutions for a wide range of scientific applications including spectroscopy and holography.



3D PROFILING STRUCTURED LIGHT SOURCES

UNIFORM INTENSITY LINE LASER
PNF SERIES

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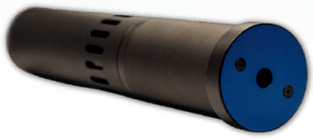
- High Optical Power Stability
- Many Optional Features Available

SPECKLE/NOISE REDUCTION
IQ7 LASER MODULE



The IQ7 dynamically diffuses the laser's coherent beam to ensure speckle reduction efficiency. Maximum versatility for a range of uses in beam homogenization, 3-D scanning, metrology, microscopy and interferometry applications to remove local interferences.

- 405 nm - 808 nm Wavelengths
- Dynamic Speckle Reduction
- Precision Current Source
- Local Interferences Removal
- PID Temperature Control Loop
- Fan Angles of 1°, 10°, and 20° Available

LIGHT MATERIAL PROCESSING LASER
GRANDE SERIES

The Grande laser, controlled by an internal microprocessor, delivers up to 20 Watts of power for high-demand applications. With an LCD display and passive cooling, it ensures real-time information, user-friendly control, and optimal performance. Ideal for light material processing.

- Visible, IR & UV Wavelengths Available
- 20 + Watts of Optical Power Available
- Wide Range of Powers and Fan Angles
- Adjustable Focus, Current, and Bias
- Passive Cooling Enables Ultra-Stability
- Compact Rugged Industrial-Grade Design

CUSTOM-MADE MACHINE VISION LASERS

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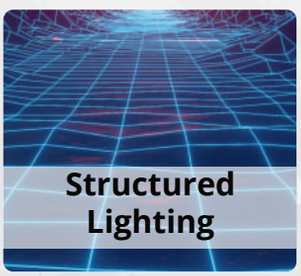
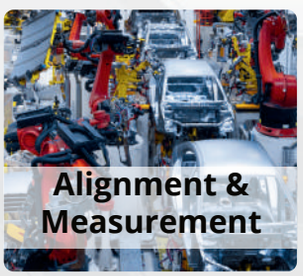
DESIGNED FOR SCIENTIFIC AND ANALYTICAL APPLICATIONS





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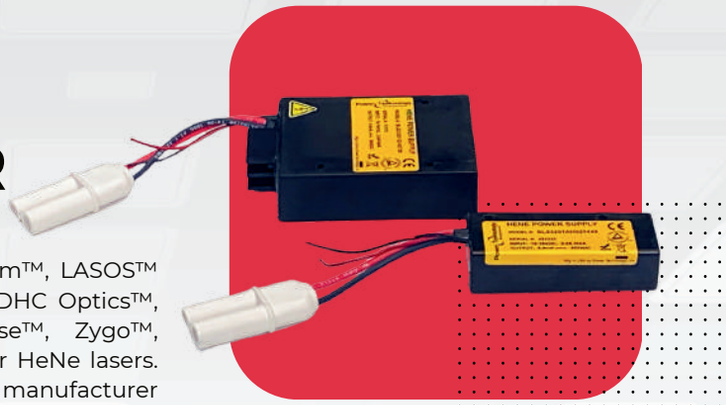
OEM HENE POWER SUPPLY

MICROPROCESSOR CONTROLLED



Our power supplies work seamlessly with Lumentum™, LASOS™ Lasertechnik™, REO™, Excelitas™, Plasma JSC™, CDHC Optics™, Edmund Optics™, ThorLabs™, JDSU™, Uniphase™, Zygo™, Agilent™, Keysight™, HP™, Melles Griot™, and other HeNe lasers. Our power supplies often surpass original equipment manufacturer (OEM) units in performance and are built with high-quality components for stability and longevity. The models are designed to operate from 12 or 24 volt DC and are more cost-effective than previously available models.

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current	Performance Level
SL23201AE	10-14	2500-3500	6.0-7.5	Standard
SL23201AH	10-14	1700-3000	4.5-7.0	Standard
SL23201AM	10-14	1300-2000	3.5-6.0	Standard
SL23201AL	10-14	900-1600	2.5-5.0	Standard
SL23210AE	22-30	2500-3500	6.0-7.5	Enhanced
SL23210AH	22-30	1700-3000	4.5-7.0	Enhanced
SL23210AM	22-30	1300-2000	3.5-6.0	Enhanced
SL23210AL	22-30	900-1600	2.5-5.0	Enhanced
SL23211AE	22-30	2500-3500	6.0-7.5	Enhanced Plus
SL23211AH	22-30	1700-3000	4.5-7.0	Enhanced Plus
SL23211AM	22-30	1300-2000	3.5-6.0	Enhanced Plus
SL23211AL	22-30	900-1600	2.5-5.0	Enhanced Plus
SL28201AE	22-30	2500-3500	6.0-7.5	Standard
SL28201AH	22-30	1700-3000	4.5-7.0	Standard
SL28201AM	22-30	1300-2000	3.5-6.0	Standard
SL28201AL	22-30	900-1600	2.5-5.0	Standard
SL28210AE	22-30	2500-3500	6.0-7.5	Enhanced
SL28210AH	22-30	1700-3000	4.5-7.0	Enhanced
SL28210AM	22-30	1300-2000	3.5-6.0	Enhanced
SL28210AL	22-30	900-1600	2.5-5.0	Enhanced
SL28211AE	22-30	2500-3500	6.0-7.5	Enhanced Plus
SL28211AH	22-30	1700-3000	4.5-7.0	Enhanced Plus
SL28211AM	22-30	1300-2000	3.5-6.0	Enhanced Plus
SL28211AL	22-30	900-1600	2.5-5.0	Enhanced Plus
SL23220AE	10-14	2500-3500	6.0-7.5	Advanced
SL23220AH	10-14	1700-3000	4.5-7.0	Advanced
SL23220AM	10-14	1300-2000	3.5-6.0	Advanced
SL23220AL	10-14	900-1600	2.5-5.0	Advanced
SL28220AE	22-30	2500-3500	6.0-7.5	Advanced
SL28220AH	22-30	1700-3000	4.5-7.0	Advanced
SL28220AM	22-30	1300-2000	3.5-6.0	Advanced
SL28220AL	22-30	900-1600	2.5-5.0	Advanced

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OEM HENE POWER SUPPLY

MICROPROCESSOR CONTROLLED

The HCU Series HeNe power supply is a current regulated, switching mode, dual input high voltage power supply for operating helium neon lasers from AC input voltages of 100-130 VAC and 200-260 VAC. This benchtop unit is ideal for laboratory environments. The need for extra wiring has been eliminated in this easy to use, fully enclosed unit. The HCU utilizes a key switch emission control, a low voltage remote inter- lock connector, and a laser emission indicator LED to add to the ease of use and functionality of the product.

Features

- Compatible
- 5 Second Delay
- Remote Interlock
- Low Noise Operat.
- Emission Indicator
- Precision Current

Compatible

- Lumentum™
- Edmund Optics™
- ThorLabs™
- JDSU™
- Uniphase™
- Excelitas™ & REO™
- LASOS ™
- Plasma JSC™
- CDHC Optics™
- Zygo™

& many more HeNe Tube Brands!

Model Number	Voltage (VDC)	Output Current (mA)	Starting Voltage (kVDC)
B401	1250 - 2000	3.5	> 8
B402	1250 - 2000	5.0	> 8
B403	3000 - 3800	5.25	> 10
B404	2000 - 2800	6.5	> 10
B405	3000 - 3800	6.5	> 12
B406	3000 - 3800	7.0	> 12
B407	1600 - 2100	6.5	> 10
B409	1250 - 2000	4.9	> 10
B410	1250 - 2000	4.0	> 8
B411	1250 - 2000	4.5	> 8
B412	1250 - 2000	5.25	> 8
B413	2000 - 2800	5.25	> 10
B414	2000 - 2800	6.0	> 10
B415	2200 - 2800	7.0	> 10

Power Technology is proud to offer these power supplies with in-stock availability, significantly reducing lead times to just one to two weeks—a stark improvement over the industry norm. This development underscores our commitment to providing on-demand services and maintaining our position as a leader in the field. Since our inception in 1969, HeNe power supplies have been a cornerstone of our product line, and we are thrilled to continue our tradition of excellence in serving your needs with these high-quality, readily available units.

Designed with universal compatibility in mind, we guarantee satisfaction with all brands of Helium-Neon (HeNe) lasers. Our extensive range of Helium-Neon Laser Power Supplies is equipped with precision control electronics, specifically designed for HeNe Laser tubes. These power supplies are engineered with fully encased electronics, ensuring robust protection and long-lasting durability.

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INDUSTRIAL / ANALYTICAL

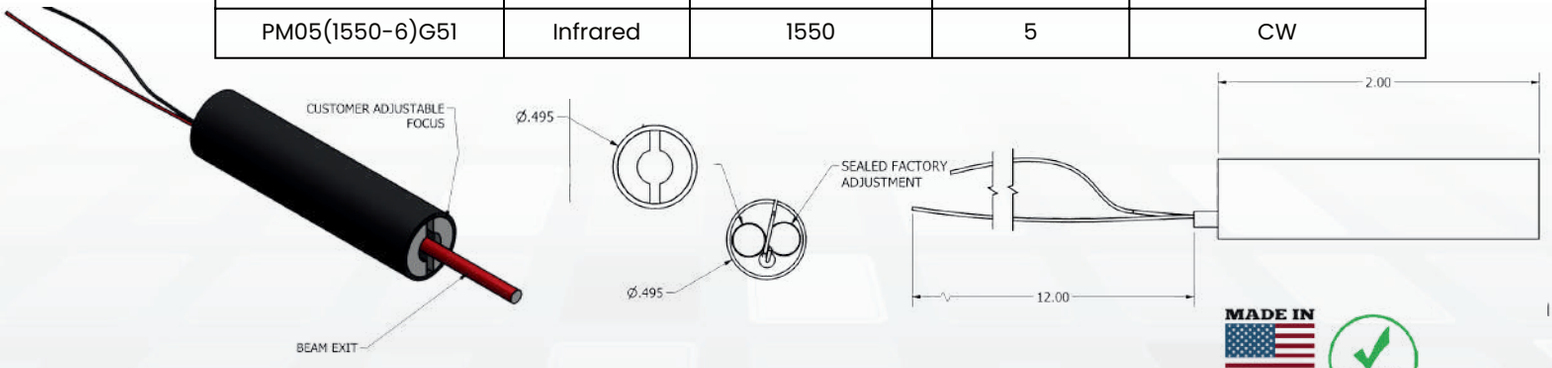
PM LASER MODULES

The PM laser diode module is designed for OEM applications, offering a unique wavelength with stable output power and excellent wavelength stability. The module surpasses previous models in optional power output and beam quality, featuring a nearly circular beam profile. It is equipped with high-quality optics for either focused or collimated beams, supporting a range of voltages for optimal operation.

Highlights:
120 mA Drive Current - Precision Current Source - Diffraction Limited Focus & Collimation Available

Applications Include:
OEM Environments - Machine Vision - Life Sciences - 3D Scanning - Alignment

Product Name	Color	Wavelength (nm)	Power (mW)	Operating Mode
PM100(405-200)G48A	Blue	405	100	CW
PM4.5(635-5B)G32	Red	635	4.5	CW
PM25(639-30B)G32	Red	639	25	CW
PM90(685-100)G55B1	Red	685	100	CW
PM25(690-30B)G32	Red	690	25	CW
PM05(785-10)G55B1	Infrared	785	5	CW
PM45(980-50)G55B1	Infrared	980	45	CW
PM55(1064-200)G51	Infrared	1064	55	CW
PM05(1310-10)G51	Infrared	1310	5	CW
PM05(1550-6)G51	Infrared	1550	5	CW



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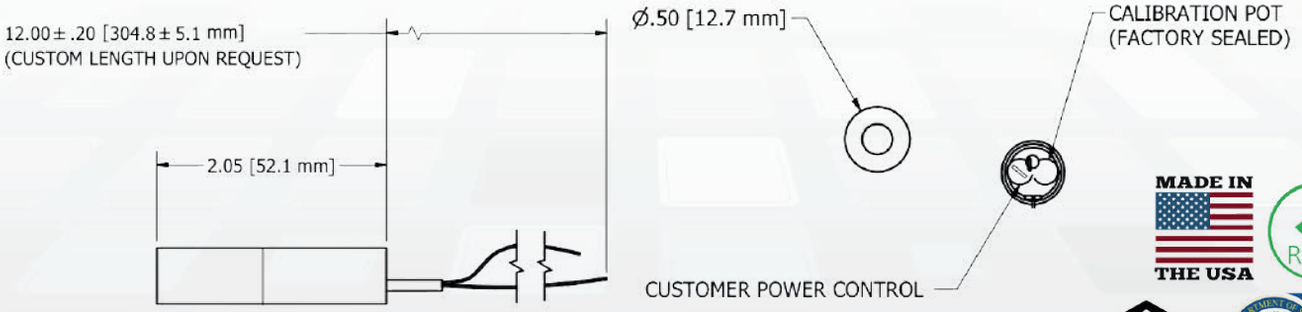
COMPACT, AUTOMATIC POWER CONTROL

GPD / IPD/ CPD SERIES LASERS

The GPD, IPD, and CPD family of laser diode modules offer high-stability Automatic Power Control (APC) light. They feature wavelengths of 405 – 520 nm with 1 mW – 50 mW of output power. The 520 nm is a cost-effective, as well as superior performing alternative for DPSS green lasers at these wavelengths.

Product Name	Color	Wavelength (nm)	Power (mW)	Operating Voltage (VDC)
IPD(405-50)G32	Blue	405	50	24
CPD(405-50)G32	Blue	405	50	5
IPD(450-40)G32	Blue	450	60	24
CPD(450-40)G32	Blue	450	60	5
GPD(450-40)G32	Blue	450	40	5
IPD(515-5)G32	Green	515	5	24
IPD(515-30)G32	Green	515	24	24
CPD(515-5)G32	Green	515	5	5
CPD(515-30)G32	Green	515	30	5
GPD(515-5)G32	Green	515	5	5
GPD(515-40)G32	Green	515	40	5
IPD(520-40)G32	Green	520	40	24
CPD(520-40)G32	Green	520	40	5
GPD(520-40)G32	Green	520	40	5



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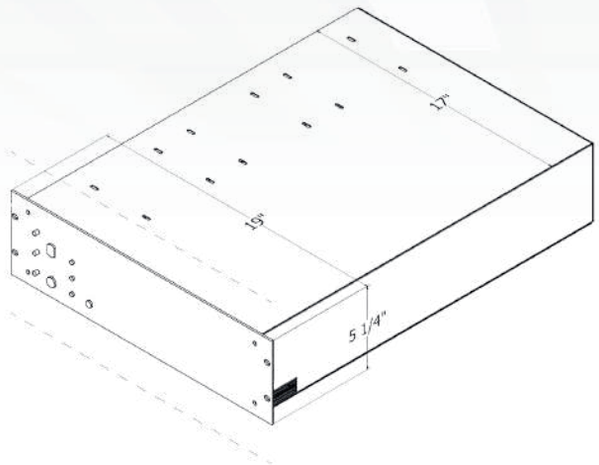
METAL CUTTING, WELDING, PROCESSING

CLEARCUT HIGH POWER LASER

The ClearCut Laser Engine, including both its standard and High-brightness editions, is engineered to meet the demanding needs of copper, silver, and gold cutting, welding, and fabrication. These lasers stand out due to their unique wavelength optimization, tailored for maximum absorption by these precious metals, making the ClearCut up to 20 times faster and more efficient compared to traditional cutting lasers.



Standard Edition

Product Name	Wavelength (nm)	Power (W)	Beam Parameter Product (mm-mrad)
ClearCut540	450	540	24.2
ClearCut360	450	360	24.2
ClearCut180	450	180	13.486
ClearCut90	450	90	11.55
ClearCut50B	450	50	22
ClearCut50A	450	50	11.55
ClearCut25	450	25	7.88

High-Brightness, Low BPP Edition

Product Name	Wavelength (nm)	Power (W)	Beam Parameter Product (mm-mrad)
ClearCut700 – Low BPP – High Brightness	445	700	27.27
ClearCut400 – Low BPP – High Brightness	445	400	19.43
ClearCut300 – Low BPP – High Brightness	445	300	19.43
ClearCut110 – Low BPP – High Brightness	445	110	8.44

The High-brightness editions further elevate this performance with an industry-leading beam parameter product (BPP) as low as 8.44 mm-mrad. Both versions of the ClearCut Laser Engine boast excellent wall-plug efficiency, leading to lower maintenance costs. Their air-cooled architecture facilitates easy integration into systems, eliminating the need for external liquid cooling. The 113 to 365 µm fiber output gives you precise control over the laser, making it ideal for your most demanding applications. This combination of advanced features and efficiencies makes the ClearCut Laser Engine a game-changing solution in the industry for the processing of precious metals.

Manufacturing watches and jewelry out of precious metals like gold, silver, and copper requires precision and accuracy. The all-new ClearCut Laser Engine, with its industry-leading BPP of 8.44 mm-mrad at 110 Watts of power, is engineered for the demanding needs of precious metals processing. Its unique wavelength of 445 nm is optimized for maximum absorption of copper, silver, and gold, making it up to 20 times faster and more efficient compared to traditional cutting lasers.

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CW / PULSED / MODULATED

LASER DIODE DRIVERS

Our newest line of laser diode drivers are specialized electronic devices designed to power and control laser diodes. These drivers ensure the precise and stable operation of laser diodes by regulating current and voltage levels, which is critical for applications requiring high accuracy and reliability.

CW LASER DRIVERS - LDP SERIES

Product Name	Max Operating Current (mA)	Operating Voltage (VDC)	Diode Compatibility
LDP-201	150	3.3 - 9.0	P, N, M & 4-pin Type
LDP-214	120	3.3 - 9.0	P, N, M & 4-pin Type
LDP-234	150	3.3 - 9.0	P, N, M & 4-pin Type
LDP-252	250	3.3 - 9.0	P, N, M & 4-pin Type

The LDP series comes standard with current monitoring terminals, diode protection upon shutdown, a soft start circuit, reverse polarity protection, and customer adjustable bias and current limit setting.

PULSED LASER DRIVERS - ILC & IPC SERIES

Product Name	Pulse Current Min (A)	Pulse Current Max (A)	Max Pulse Rate (kpps)
IP75C	41	82.5	20
IP60C	33	66	20
IP40C	22	44	20
IP1-30C	16	33	20
IL75C	41	82.5	20
IL60C	33	66	20
IL40C	22	44	20
IL1-30C	16	33	20

Our ILC and IPC pulsars offer peak pulse currents from 1 to 105A and pulse widths from 7 to 200ns & contain an internal power supply for a built-in trigger pulse or a user-supplied trigger.

TTL MODULATING DRIVERS - TMD SERIES

Product Name	Max Operating Current (mA)	Operating Voltage (VDC)	Modulation Signal
TMD219-200	280	5	TTL
TMD219-100	140	5	TTL

Power Technology offers laser diode drivers designed for digital light modulation from CW to 20MHz. Our TMD drivers operate from CW to 20MHz (when supplied with a TTL standard input signal). The TMD219-100 can drive laser diodes up to 100mA, while the TMD210-200 can drive them up to 200mA. Each power supply operates in constant current mode and can be modulated from an external user-supplied TTL trigger. Optional potentiometer controls are available to provide adjustable drive current.

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DIODE PUMPED SOLID STATE

LKG LASER MODULES

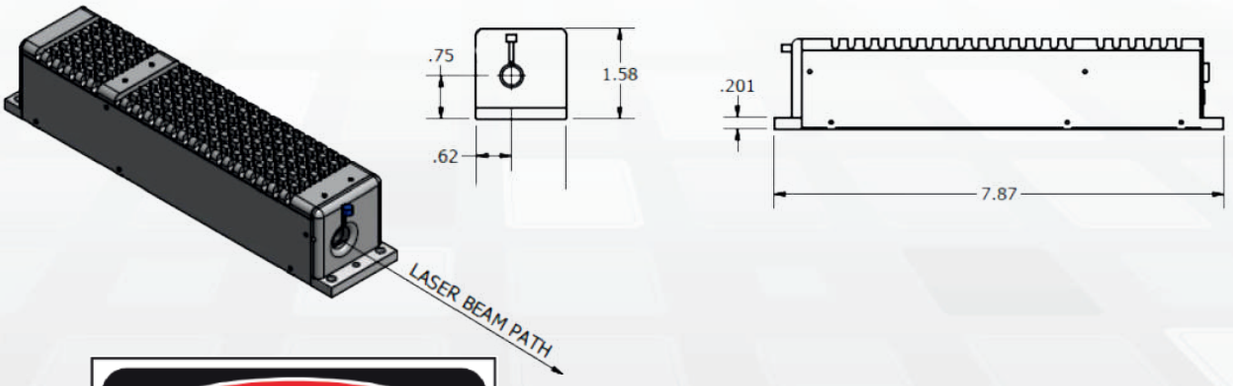
Power Technology's LKG series of DPSS lasers deliver wavelengths of green and yellow light for a variety of applications. Ranging from 532 nm to 561 nm and 5 mW to 350 mW, these lasers offer options with excellent wavelength stability and accuracy for applications such as Raman spectroscopy and inspection. The platform features an onboard microprocessor allowing for advanced user control and monitoring, as well as a precision current source and ultra-stable temperature control. LKG brings more cost-effective options for DPSS-based laser light to the expanding Power Technology portfolio.

Highlights:
532 nm to 561 nm Wavelengths - Continous Wave Output - Onboard Microprocessor - Cost-effective

Applications Include:
Raman Spectroscopy - Microscopy - Fluorescence - Inspection

Product Name	Color	Wavelength (nm)	Power (mW)	Beam Size at Exit (mm)
LKG / B667	Ultraviolet	561	50	0.5
LKG / B666	Ultraviolet	555	350	0.5
LKG / B665	Ultraviolet	555	150	0.5
LKG / B664	Ultraviolet	555	50	0.5
LKG / B663	Ultraviolet	545	5	0.5
LKG / B662	Ultraviolet	532	20	0.2
LKG / B661	Blue	532	100	0.2
LKG / B660	Blue	532	50	0.2

** Ask about dual voltage input options for reduced heat.
***Ask about lower divergence beams, if needed.



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PowerTechnology.com/DPSS

TTL MODULATED LASERS

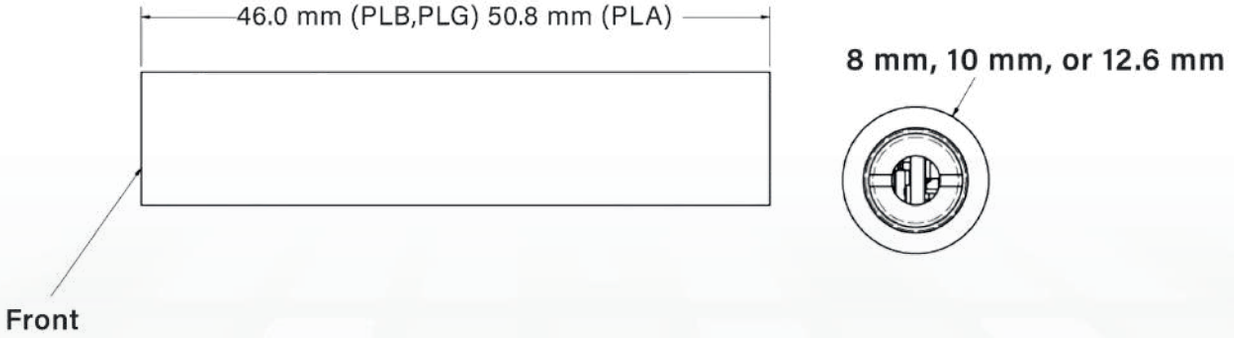
PLB / PLG / PLA SERIES LASERS

The PLB, PLG, and PLA laser diode modules are perfect for applications requiring slow modulated rates and small package sizes. The PL series feature several standard wavelengths between 635 nm and 850 nm with output powers ranging from 1 mW to 10 mW. The PL series provides predictable wavelength and power stability. Each laser module comes pre-collimated with an adjustable focusing lens.

Highlights:
8mm, 10mm, or 12.6mm (0.5 inch) Package - Slow TTL Modulation up to 10 kHZ - User Focusable

Applications Include:
Machine Vision - Life Sciences - 3D Scanners - Automotive - Dental - Alignment

Wavelength (nm)	Typical Output Power (mW) at 25° C	Beam Size - Collimated (mm)	Beam Divergence	User Focusable	Maximum Operating Current (mA)	Module Diameter	Spatial Mode
635	1, 2, 5 or 10	0.71 x 3.11 / 0.71 x 3.20	< 1.2 / < 1.2	Yes	70	8, 10, 12.6	TEMoo
650	1, 2, 5 or 10	0.80 x 2.58	< 1.2	Yes	50	8, 10, 12.6	TEMoo
780	1, 2, 5 or 10	0.72 x 2.79	< 1.5	Yes	40	8, 10, 12.6	TEMoo
850	1, 2, 5 or 10	1.08 x 2.88	< 1.1	Yes	35	8, 10, 12.6	TEMoo



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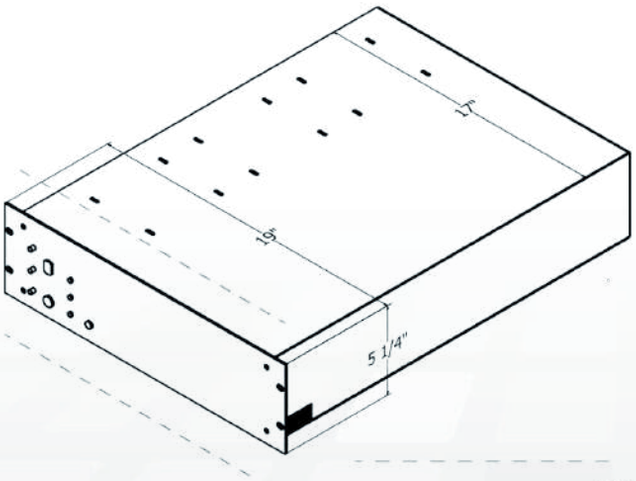
LITHOGRAPHY LIGHT SYSTEM

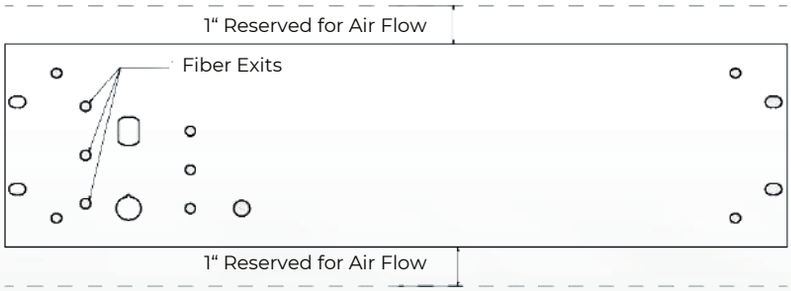
ILLUMINA LITHOGRAPHY LASER SYSTEM

The Illumina Lithography Laser System by Power Technology is designed to meet the specific needs of unique lithography processes, offering a budget-friendly, user-friendly laser light source that delivers precise light at the correct wavelength and spot. It is engineered for superior lithographic performance with a fiber-coupled output at 405 nm for high resolutions.

With scalable power up to 176 Watts across seven power levels, the Illumina ensures an ideal fit for various applications. It provides 20,000 hours of reliable performance without requiring liquid cooling, representing a safe and cost-effective alternative to expensive bulbs and other ultraviolet light sources. The Illumina system offers an affordable solution for precision lithographic reproduction, ensuring optimal feature resolution within budget constraints.

Power (W)	Wavelength (nm)	Output Diameter (mm)	Supply Voltage (VAC)	19" Rack Space
10	405	1.5	90 - 250	1 x 3U
20	405	1.5	90 - 250	1 x 3U
40	405	2.07	90 - 250	1 x 3U
59	405	2.23	90 - 250	1 x 3U
117	405	3.47	90 - 250	3 x 3U
176	405	3.97	90 - 250	3 x 3U





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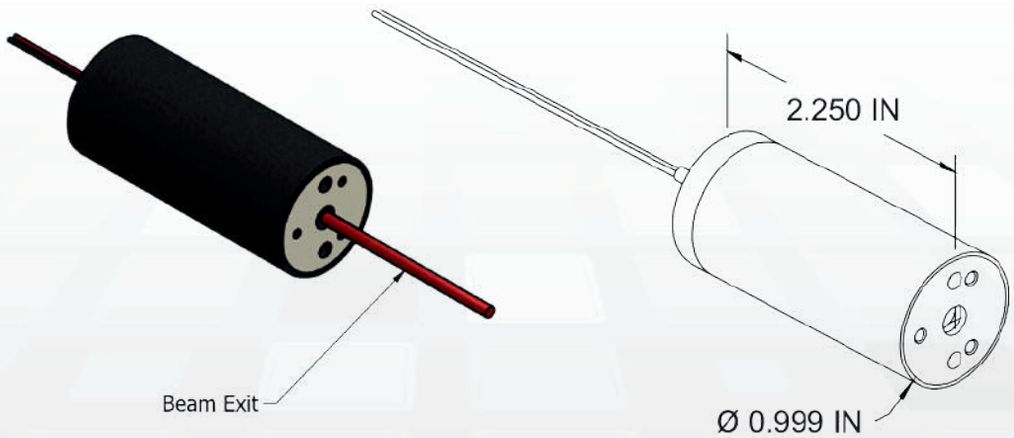
PowerTechnology.com/Lithography

CIRCULAR OUTPUT BEAM CORRECTION

ACM SERIES LASER MODULES

The ACM is an excellent replacement for large, inefficient gas lasers. The unit yields a round beam that imitates a gas laser's naturally circular beam while offering several advantages: compact size, lighter weight, and dramatically lower power consumption. The ACM achieves its beam circularization via a pair of anamorphic correcting prisms, an astigmatic lens, and an output aperture. The unit operates in automatic power control mode and serves as an ideal OEM component for positioning, alignment, and measurement applications.

Product Name	Color	Wavelength (nm)	Power (mW)	Beam Size at Exit (mm)
ACM18(405-20)G55A2	Blue	405	18	2.7
ACM70(450-80)G55A2	Blue	450	70	2.7
ACM45(520-50)G55A2	Green	520	45	2.7
ACMxx(685-100)G55B1	Red	685	90	2.7
ACM100(783-120)G50	Infrared	785	100	2.7
ACM50(783-120)G50	Infrared	785	50	2.7
ACM9(785-10)G55B1	Infrared	785	9	2.7
ACM40(980-50)G59	Infrared	980	40	2.7
ACM240(1064-300)G48C	Infrared	1064	240	2.7



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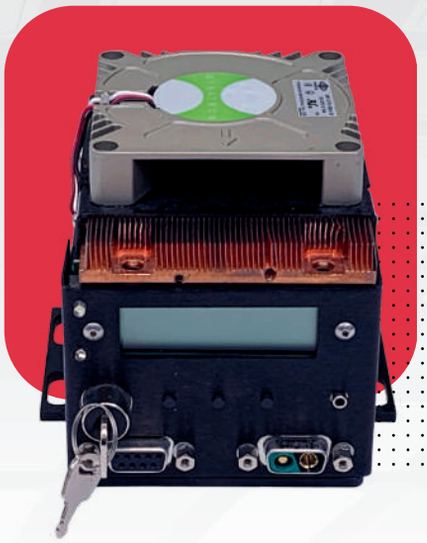
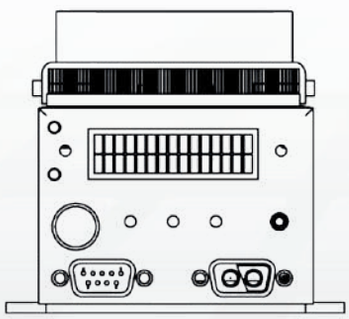
HIGH POWER LASER

GRANDE SERIES MODULES

The Grande laser provides up to 20 Watts of optical power for demanding applications that require high output powers. Controlled by an internal micro-processor, the design features an LCD display, which provides users safety status as well as real time information on power current settings and internal temperature. Drive current and bias settings are user controllable with 12 bits of resolution (4096 steps). The Grande features passive cooling for the circuitry and laser. Input to the module is typically 5 VDC, while blue and green lasers require 8VDC.



Product Name	Color	Wavelength (nm)	Power (W)	Operating Mode
Grande3(450-3)	Blue	450	3	CW
Grande1(515-0.9)	Green	515	1	CW
Grande0.9(532-1)	Green	532	0.9	CW
Grande0.7(635-0.7)G50	Red	635	0.65	CW
Grande2(639-2)G50	Red	639	1.48	CW
Grande10(808-10)G53	Infrared	808	10	CW
Grande5(808-5)G53	Infrared	808	5	CW
Grande1(915-10)G53	Infrared	915	10	CW
Grande5(915-5)G53	Infrared	915	5	CW
Grande10(980-10)G53	Infrared	980	10	CW
Grande5(980-5)G53	Infrared	980	5	CW



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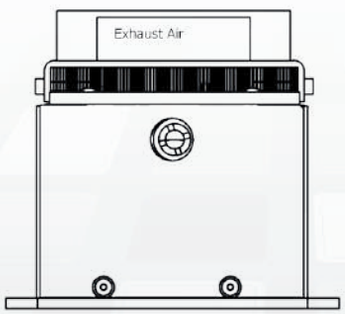

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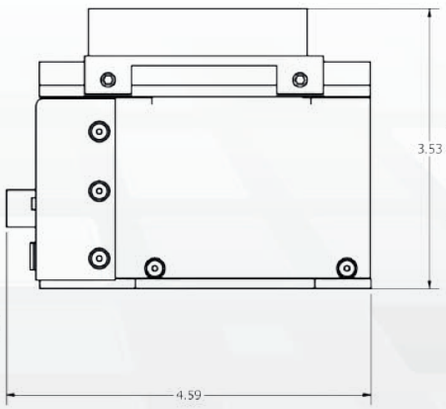

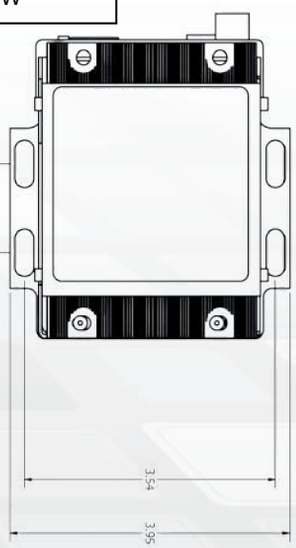

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IP-67 RATED, WATER RESISTANT

WRM SERIES LASER MODULES

The WRM series laser module is designed for water-resistant operation in harsh environments, a feature uncommon in other lasers. It is suited for applications like stone cutting, where it resists cooling fluid spray, and food processing, where it withstands cleaning and disinfectant sprays. IP67 rated, ensuring it is dust tight and protected against various forms of water ingress, and can withstand immersion up to 1 meter. Its optical window is cleanable, with an option for a more durable upgrade for extreme conditions. The module offers 0.1 to 150mW power and 450nm to 980nm wavelength options, with custom configurations for OEMs. It supports 5VDC or 24VDC input. An optional line generation add-on provides ten fan angles from 2.8 to 90 degrees.

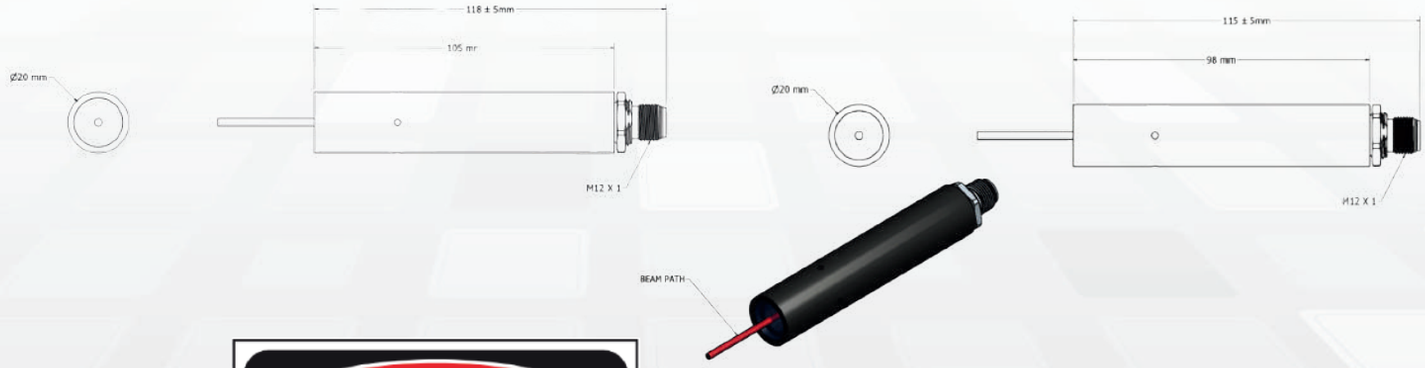
Highlights:

Harsh Environment Ready - Line Generator Options - Choice of Fan Angles - ESD Protection · Over-Voltage Protections

Applications Include:

Food Processing - Stonecutting - Saw Mills - Near-Water Operations

Product Name	Color	Wavelength (nm)	Power (mW)	Operating Mode	Operating Voltage(VDC)
WRM450(450-60)G49	Blue	450	60	CW	8 / 24
WRM450(450-5)G49	Blue	450	5	CW	8 / 24
WRM520 (520-5)G49	Green	520	5	CW	8 / 24
WRM520 (520-45)G49	Green	520	45	CW	8 / 24
WRM(635-5)G50	Red	635	5	CW	5
WRM(635-1)G50	Red	635	1	CW	5
WRM.85(635-5)G55B1	Red	635	1	CW	5
WRM4.5(635-5)G55B1	Red	635	5	CW	5
WRM(635-30)G50	Red	639	30	CW	5



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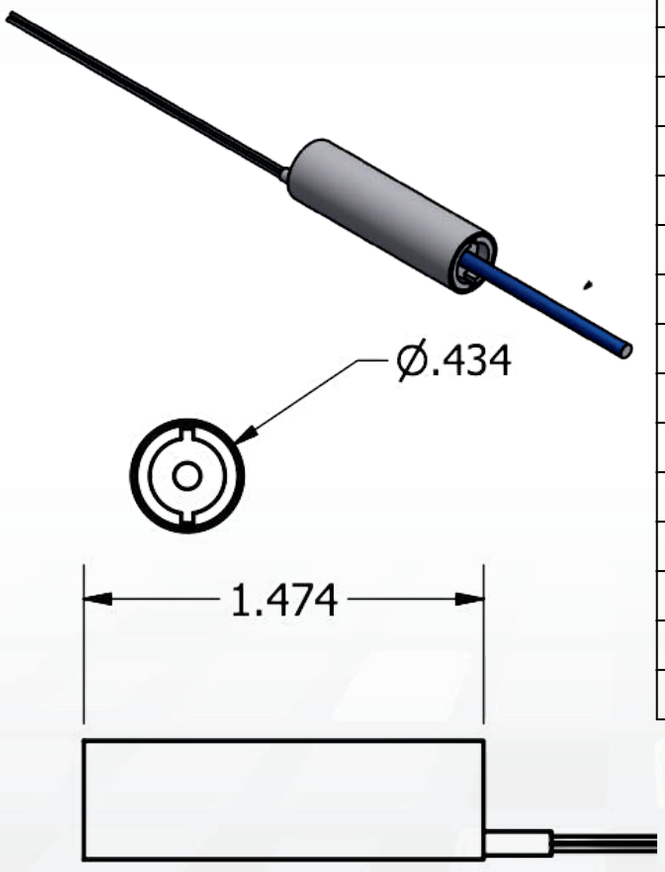
CONTACT US
501.407.0712

VISIT OUR WEBSITE
PowerTechnology.com/WRM

LOWER COST, BASIC OPTICS

GS / RS SERIES LASER MODULES

This series of compact laser diode modules is designed for cost-sensitive applications. The red and green units operate in automatic power control mode. A factory-installed line generator, attached at a fixed focal distance, is available upon request (lens adjustment for line generator units is not possible). Laser modules that produce a spot are fully adjustable for focus or collimation. For especially demanding applications, we recommend incorporating a heat sink onto the laser module.



Product Name	Color	Wavelength	Power (mW)
RS2(515-5)	Green	515	1
RS3a(515-5)-V	Green	515	5
RS2(515-5)-V	Green	515	1
RS3a(515-5)	Green	515	5
GS3a515-5-V	Green	515	5
GS3a515-5	Green	515	5
GS2-515-5-V	Green	515	1
GS2-515-5	Green	515	1
GS3a520-5-V	Green	520	5
GS3a520-5	Green	520	5
GS2-520-5-V	Green	520	1
GS2-520-5	Green	520	1
RS2-635-5L10	Red	635	5
RS2-635-5	Red	635	5
RS2-670-5 G50	Red	670	5
RS2-670-5L10	Red	670	5

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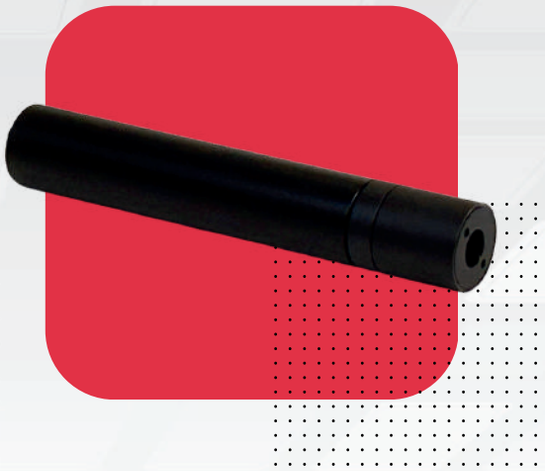
EXTREME ENVIORNMENTS LASER LINE

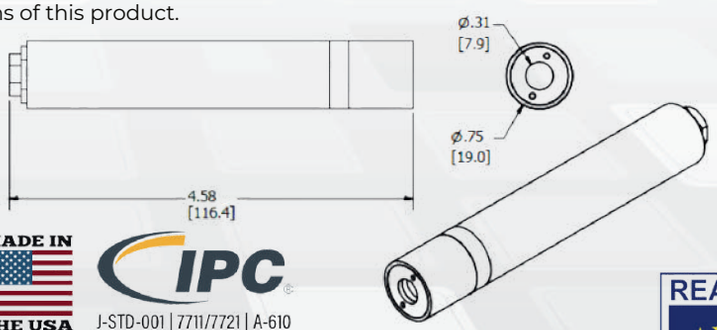
HRM & HMRX LASER MODULES



The Power Technology HRM laser delivers a rugged high-temperature offering to its Extreme Environment Laser Portfolio. With its reduced Size, Weight, and Power consumption compared to alternatives, its wider operating temperature reduces field failures, increases lifetime, and lowers costs. The HRM modules offer multiple wavelength choices across the ultraviolet, visible, and infrared spectrum. The platform features two performance levels, one offering functionality in temperatures of up to 85 degrees Celsius (high temperature) and another with operation in up to 175 degrees Celsius (extreme temperature) for more extreme conditions. The laser modules are available in a broad range of output powers from 2 mW to 100 mW. In addition, the HRM is IP67-rated for water and dust resistance and features a sealed Mini USB connector.

Product Name	Environment	Operating Temp.	Color	Wavelength (nm)	Power (mW)
HRM(1300-5)	High Temperature	15°C – 80°C	IR	1300	5
HRM(905-100)	High Temperature	15°C – 65°C	IR	905	100
HRM(780-80)	High Temperature	15°C – 75°C	Red	780	80
HRM(660-50)	High Temperature	15°C – 80°C	Red	660	50
HRM(660-5)	High Temperature	15°C – 80°C	Red	660	5
HRM(520-80)	High Temperature	15°C – 60°C	Green	520	80
HRM(520-20)	High Temperature	15°C – 60°C	Green	520	20
HRM(450-80)	High Temperature	15°C – 80°C	Blue	450	80
HRM(405-120)	High Temperature	15°C – 80°C	Blue	405	120
HRMX(1300B-2)	Extreme Temperature	15°C – 175°C	IR	1300	2
HRMX(1300A-2)	Extreme Temperature	15°C – 150°C	IR	1300	2
HRMX(1300-5)	Extreme Temperature	15°C – 110°C	IR	1300	5
HRMX(660-50)	Extreme Temperature	15°C – 85°C	Red	660	50
HRMX(660-10)	Extreme Temperature	15°C – 85°C	Red	660	10

*Contact us to discuss modulation options on future iterations of this product.



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UV-C LIGHT SOURCE

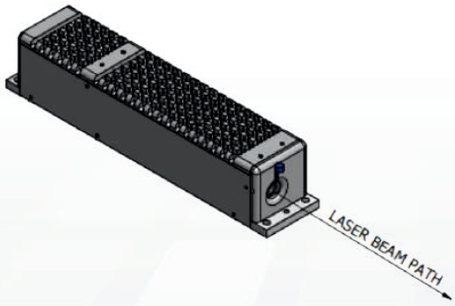
NEWV LASER MODULE

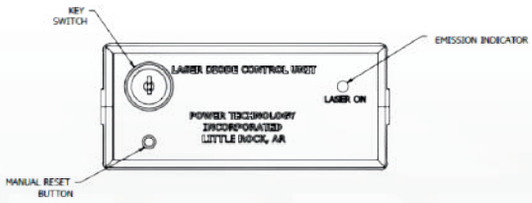
Power Technology's NewV laser delivers unique deep ultraviolet light for a variety of applications. Unlike many UV lasers, the NewV laser produces greater than 10 mW of continuous wave (CW) light at 261 nanometers. Its compact size, wide operating temperature range, and low-divergence output beam enables easy integration into fixed, portable, and handheld systems. The laser modules are designed
for use in disinfection, inspection, fluorescence, and UV Raman spectroscopy applications. The platform features an onboard microprocessor allowing for advanced user control and monitoring, as well as a precision current source and ultra-stable temperature control.

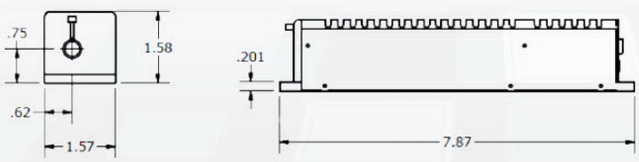
Highlights:
Narrow Linewidth - 261 nm Deep Wavelength - 10 mW Continuous Wave Output - Onboard Microprocessor

Applications Include:
Disinfection - Raman Spectroscopy - Fluorescence - Inspection

Product Name	Color	Wavelength (nm)	Power (mW)	Beam Size at Exit (mm)	Divergence (mrad)	Linewidth (pm)
NewV OEM Module	Ultraviolet	261.4	> 10	0.2 x 0.6	2.5 x 6.5	< 100
120 VAC System	Ultraviolet	261.4	> 10	0.2 x 0.6	2.5 x 6.5	< 100
220 VAC System	Ultraviolet	261.4	> 10	0.2 x 0.6	2.5 x 6.5	< 100







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MACHINE VISION LASERS

PNF SERIES LASER MODULES

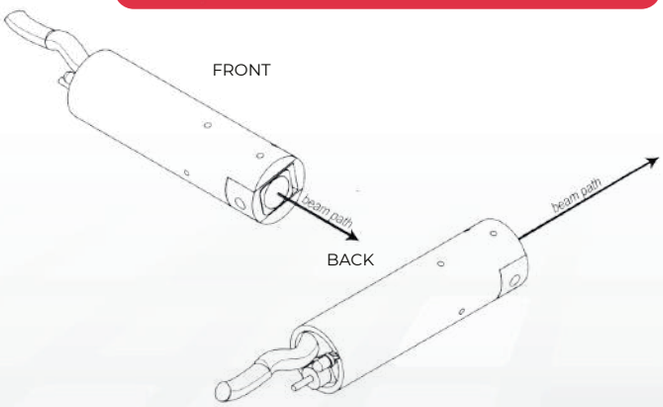
The PNF series line generation laser is a high stability, configurable, premium quality laser for machine vision applications. The PNF features wavelengths between 405- 980nm with up to 150mW output power and optional ultra fast digital modulation. The PNF Series includes Unique Variable FocusTM Technology that allows the user to calibrate the focus of the module and then re-tune the line generator for optimal performance at close or long range.

Features

- Collimation Avail.
- Pick a Fan Angle
- Even Intensity
- Drop-In Replace
- ESD Protection
- Over Voltage Prot.

Applications

- Road Inspection
- Rail Inspection
- Leveling
- Event Detection
- 3D Machine Vision
- Fluorescence
- Illumination
- 3D Mapping



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Product Name	Color	Wavelength (nm)	Power (mW)
PNF-x01L-405-50-ff-oo	Blue	405	50
PNF-x01L-405-30-ff-oo	Blue	405	30
PNF-x01L-405-20-ff-oo	Blue	405	20
PNF-x01L-450-5-ff-oo	Blue	450	5
PNF-x01L-450-50-ff-oo	Blue	450	50
PNF-x01L-450-3-ff-oo	Blue	450	3
PNF-x01L-450-30-ff-oo	Blue	450	30
PNF-x01L-450-20-ff-oo	Blue	450	20
PNF-x01L-450-15-ff-oo	Blue	450	15
PNF-x01L-450-10-ff-oo	Blue	450	10
PNF-x01L-520-5-ff-oo	Green	520	5
PNF-x01L-520-50-ff-oo	Green	520	50
PNF-x01L-520-3-ff-oo	Green	520	3
PNF-x01L-520-30-ff-oo	Green	520	30
PNF-x01L-520-20-ff-oo	Green	520	20
PNF-x01L-520-1-ff-oo	Green	520	1
PNF-x01L-520-15-ff-oo	Green	520	15
PNF-x01L-520-10-ff-oo	Green	520	10
PNF-x01L-635-5-ff-oo	Red	635	5
PNF-x01L-635-3-ff-oo	Red	635	3
PNF-x01L-635-35-ff-oo	Red	635	35
PNF-x01L-635-1-ff-oo	Red	635	1
PNF-x01L-635-15-ff-oo	Red	635	15
PNF-x01L-635-10-ff-oo	Red	635	10
PNF-x01L-637-150-ff-oo	Red	637	150
PNF-x01L-650-1-ff-oo	Red	650	1
PNF-x01L-650-10-ff-oo	Red	650	10
PNF-x01L-650-5-ff-oo	Red	650	5
PNF-x01L-658-20-ff-oo	Red	658	20
PNF-x01L-660-5-ff-oo	Red	660	5
PNF-x01L-660-50-ff-oo	Red	660	50
PNF-x01L-660-35-ff-oo	Red	660	35
PNF-x01L-660-30-ff-oo	Red	660	30
PNF-x01L-660-20-ff-oo	Red	660	20

MACHINE VISION LASERS

PNF SERIES LASER MODULES

The PNF series line generation laser is a high stability, configurable, premium quality laser for machine vision applications. The PNF features wavelengths between 405- 980nm with up to 150mW output power and optional ultra fast digital modulation. The PNF Series includes Unique Variable FocusTM Technology that allows the user to calibrate the focus of the module and then re-tune the line generator for optimal performance at close or long range.

Features

- Collimation Avail.
- Drop-In Replace
- Pick a Fan Angle
- ESD Protection
- Even Intensity
- Over Voltage Prot.

Applications

- Road Inspection
- 3D Machine Vision
- Rail Inspection
- Fluorescence
- Leveling
- Illumination
- Event Detection
- 3D Mapping

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Product Name	Color	Wavelength (nm)	Power (mW)
PNF-x01L-660-130-ff-oo	Red	660	130
PNF-x01L-660-10-ff-oo	Red	660	10
PNF-x01L-660-100-ff-oo	Red	660	100
PNF-x01L-670-5-ff-oo	Red	670	5
PNF-x01L-670-1-ff-oo	Red	670	1
PNF-x01L-670-10-ff-oo	Red	670	10
PNF-x01L-685-50-ff-oo	Red	685	50
PNF-x01L-685-35-ff-oo	Red	685	35
PNF-x01L-685-20-ff-oo	Red	685	20
PNF-x01L-685-100-ff-oo	Red	685	100
PNF-x01L-690-35-ff-oo	Red	690	35
PNF-x01L-705-35-ff-oo	Infrared	705	35
PNF-x01L-780-75-ff-oo	Infrared	780	75
PNF-x01L-780-5-ff-oo	Infrared	780	5
PNF-x01L-780-50-ff-oo	Infrared	780	50
PNF-x01L-780-35-ff-oo	Infrared	780	35
PNF-x01L-780-20-ff-oo	Infrared	780	20
PNF-x01L-780-150-ff-oo	Infrared	780	150
PNF-x01L-780-100-ff-oo	Infrared	780	100
PNF-x01L-808-50-ff-oo	Infrared	808	50
PNF-x01L-808-150-ff-oo	Infrared	808	150
PNF-x01L-808-100-ff-oo	Infrared	808	100
PNF-x01L-830-50-ff-oo	Infrared	830	50
PNF-x01L-830-30-ff-oo	Infrared	830	30
PNF-x01L-830-150-ff-oo	Infrared	830	150
PNF-x01L-830-100-ff-oo	Infrared	830	100
PNF-x01L-850-50-ff-oo	Infrared	850	50
PNF-x01L-850-25-ff-oo	Infrared	850	25
PNF-x01L-850-150-ff-oo	Infrared	850	150
PNF-x01L-980-50-ff-oo	Infrared	980	50
PNF-x01L-980-20-ff-oo	Infrared	980	20
PNF-x01L-980-100-ff-oo	Infrared	980	100

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CONTACT US
501.407.0712

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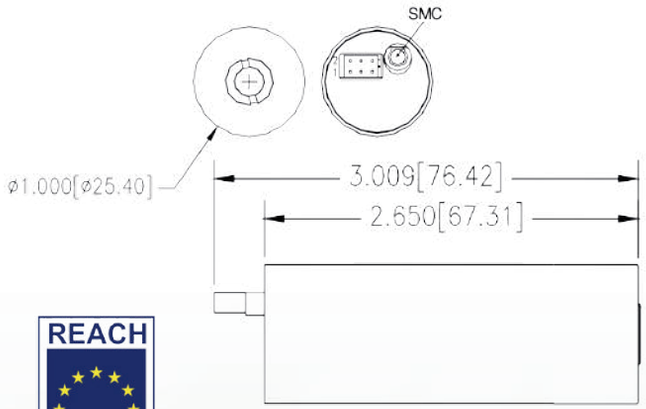
PowerTechnology.com/PNF

ANALOG MODULATION

PMA SERIES LASER MODULES

Power Technology, Inc.'s PMA module is a durable, high-quality diode laser that allows for analog input signal emulation, varying the optical output power. It supports continuous wave (CW) to 20MHz analog beam modulation, with bias currents up to 200mA and modulation currents up to 100mA. This analog modulation capability provides users with precise control over the laser's output from 0 to 100%, enhancing versatility.

The PMA offers a wide range of wavelengths from 635nm to 1600nm and includes integrated drive and control electronics, a laser diode, and a high-quality aspheric lens for collimated beams. A 6-pin connector facilitates DVM compatible monitoring. Its compact size, at one inch in diameter and about three inches long, makes it easily integrable into various applications. The PMA is ideal for uses in fluorescence, testing, and medical or biomedical procedures, offering a versatile solution for numerous applications.



Product Name	Color	Wavelength (nm)	Power (mW)
PMA05(635-5)G55B1	Red	635	5
PMA13(635-15B)G57B	Red	635	13
PMA13(635-15)G55B1	Red	635	13
PMA05(635-5B)G57B	Red	635	5
PMA30(635-35B)G57B	Red	639	30
PMA30(639-35)G55B1	Red	639	30
PMA05(655-7B)G57B	Red	655	5
PMA05(655-7)G55B1	Red	655	5
PMA40(658-45B)G57B	Red	658	40
PMA40(658-45)G55B1	Red	658	40
PMA90(660-130B)G57B	Red	660	90
PMA90(660-130)G55B1	Red	660	90
PMA09(670-10B)G57B	Red	670	10
PMA09(670-10)G55B1	Red	670	10
PMA05(670-5B)G57B	Red	670	5
PMA05(670-10)G55B1	Red	670	5
PMA31(690-35B)G57B	Red	690	35
PMA31(690-35)G55B1	Red	690	35
PMA35(705-40)G50	Red	705	35
PMA05(705-40)G50	Red	705	5
PMA90(785-120B)G57B	Infrared	785	90
PMA90(785-120)G50	Infrared	785	90
PMA50(785-120)G50	Infrared	785	50
PMA05(785-10)G55B1	Infrared	785	5
PMA90(808-150)G50	Infrared	808	90
PMA180(905-200)G50	Infrared	905	200
PMA45(980-50)G55C	Infrared	980	45
PMA05(980-50)G55C	Infrared	980	5
PMA05(1310-10)G55C	Infrared	1310	5
PMA05(1550-6)G55C	Infrared	1550	5

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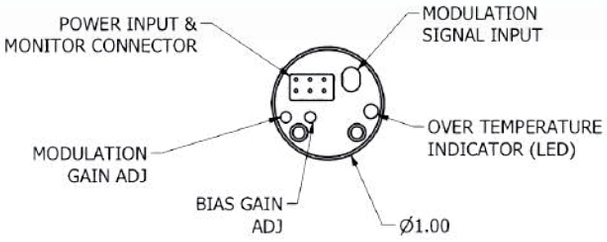
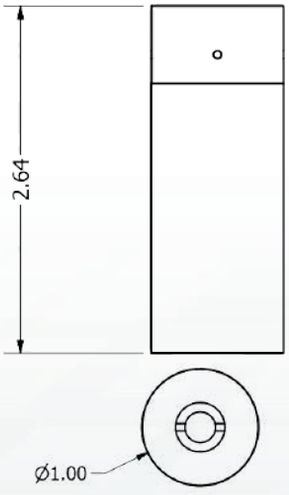
DIGITAL MODULATION - 100MHZ HIGH SPEED

PMH SERIES LASER MODULES

The PMH laser diode module is designed for high-speed beam modulation, capable of 2ns rise and fall times with a 5ns propagation delay. It offers a single glass aspheric lens for focusing or collimating, with options for standard elliptical or circular beams. t features active low TTL modulation for 0 to 120mA and provides 0 to 200mA bias current, suitable for applications like high-speed printing, fluorescence, communications, and synchronous detection.

The PMH requires 5VDC for operation, includes a 0V On/5V Off inhibit circuit, and offers a 10mV per mA monitor for current. Its compact size (1 inch in diameter by approximately 3 inches long) ensures it fits easily into most designs.





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Product Name	Color	Wavelength (nm)	Power (mW)
PMH05(635-5)G55B1	Red	635	5
PMH13(635-15B)G57B	Red	635	13
PMH12(635-15)G55B1	Red	635	12
PMH05(635-5B)G57B	Red	635	5
PMH30(635-35B)G57B	Red	639	30
PMH30(639-35)G55B1	Red	639	30
PMH05(655-7B)G57B	Red	655	5
PMH05(655-7)G55B1	Red	655	5
PMH40(658-45B)G57B	Red	658	40
PMH40(658-45)G55B1	Red	658	40
PMH115(660-130B)G57B	Red	660	95
PMH95(660-130)G55B1	Red	660	95
PMH09(670-10B)G57B	Red	670	10
PMH09(670-10)G55B1	Red	670	10
PMH05(670-5B)G57B	Red	670	5
PMH05(670-10)G55B1	Red	670	5
PMH31(690-35B)G57B	Red	690	35
PMH31(690-35)G55B1	Red	690	35
PMH35(705-40)G50	Red	705	35
PMH05(705-40)G50	Red	705	5
PMH90(785-120B)G57B	Infrared	785	90
PMH90(785-120)G50	Infrared	785	90
PMH50(785-120)G50	Infrared	785	50
PMH05(785-10)G55B1	Infrared	785	5
PMH90(808-150)G50	Infrared	808	90
PMH180(905-200)G50	Infrared	905	200
PMH270(940-300)G55B1	Infrared	940	300
PMH45(980-50)G55C	Infrared	980	45
PMH05(980-50)G55C	Infrared	980	5
PMH90(1064-200)G51	Infrared	1064	90

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COMPACT PACKAGE SIZE

PMG / PMB SERIES LASER MODULES

The PMB and PMG laser diode modules offer compact solutions with diameters of 8mm (PMB) and 10mm (PMG), catering to demands for smaller packages. They support standard wavelengths from 635nm to 850nm and output powers from 1mW to 10mW, ensuring stable wavelength and power performance. Both models come with pre-collimated beams and adjustable focusing lenses.

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Product Name	Color	Wavelength (nm)	Power (mW)
PMG10(405-20)G55A2	Blue	405	10
PMG05(405-20)G55A2	Blue	405	5
PMG02(405-20)G55A2	Blue	405	2
PMG10(450-80)G55A2	Blue	450	10
PMG05(450-80)G55A2	Blue	450	5
PMG02(450-80)G55A2	Blue	450	2
PMG01(450-80)G55A2	Blue	450	1
PMG10(515-30)G55A2	Green	515	10
PMG05(515-30)G55A2	Green	515	5
PMG02(515-30)G55A2	Green	515	2
PMG01(515-30)G55A2	Green	515	1
PMG10(635-10)G55A2	Red	635	10
PMG05(635-5)G55A2	Red	635	5
PMG02(635-5)G55A2	Red	635	2
PMG10(650-10)G55B1	Red	650	10
PMG05(650-10)G55B1	Red	650	5
PMG02(650-10)G55B1	Red	650	2
PMG01(650-10)G55B1	Red	650	1
PMG10(780-10)G55B1	Infrared	780	10
PMG05(780-10)G55B1	Infrared	780	5
PMG02(780-10)G55B1	Infrared	780	2
PMG01(780-10)G55B1	Infrared	780	1
PMG10(850-10)G55B1	Infrared	850	10
PMG05(850-10)G55B1	Infrared	850	5
PMG02(850-10)G55B1	Infrared	850	2
PMG01(850-10)G55B1	Infrared	850	1

Product Name	Color	Wavelength (nm)	Power (mW)
PMB10(405-20)G55A2	Blue	405	10
PMB05(405-20)G55A2	Blue	405	5
PMB02(405-20)G55A2	Blue	405	2
PMB10(450-80)G55A2	Blue	450	10
PMB05(450-80)G55A2	Blue	450	5
PMB02(450-20)G55A2	Blue	450	2
PMB01(450-80)G55A2	Blue	450	1
PMB10(515-30)G55A2	Green	515	10
PMB05(515-30)G55A2	Green	515	5
PMB02(515-30)G55A2	Green	515	2
PMB01(515-30)G55A2	Green	515	1
PMB10(635-10)G55A2	Red	635	10
PMB05(635-5)G55A2	Red	635	5
PMB02(635-5)G55A2	Red	635	2
PMB10(650-10)G55B1	Red	650	10
PMB05(650-10)G55B1	Red	650	5
PMB02(650-10)G55B1	Red	650	2
PMB01(650-10)G55B1	Red	650	1
PMB10(780-10)G55B1	Infrared	780	10
PMB05(780-10)G55B1	Infrared	780	5
PMB02(780-10)G55B1	Infrared	780	2
PMB01(780-10)G55B1	Infrared	780	1
PMB10(850-10)G55B1	Infrared	850	10
PMB05(850-10)G55B1	Infrared	850	5
PMB02(850-10)G55B1	Infrared	850	2
PMB01(850-10)G55B1	Infrared	850	1

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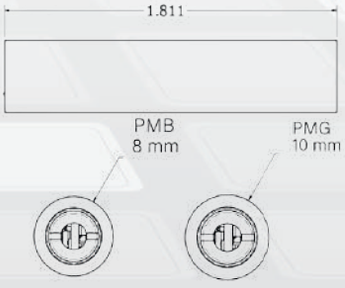

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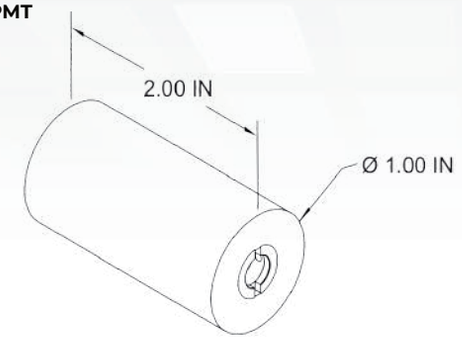
TTL MODULATION - 20 MHZ

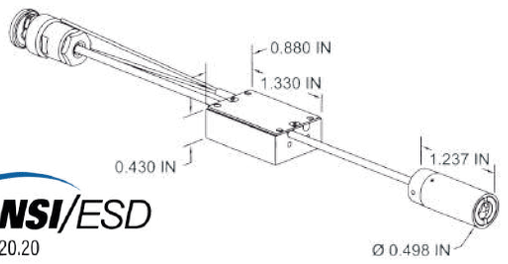
PMT / SPMT SERIES LASER MODULES

The PMT and SPMT are versatile choices suitable for a variety of OEM environments. Both operate in constant current mode and are designed for digital beam modulation from CW to 20MHz. The PMT is a self-contained module, while the SPMT features a separated geometry. The separated geometry configuration promotes easy positioning of the components within the design constraints of your application.

PMT



SPMT



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PMT Model Number	SPMT Model Number	Color	Wavelength (nm)	Power (mW)
PMT05(635-5)G55B1	SPMT05(635-5)G55B1	Red	635	5
PMT13(635-15B)G57B	SPMT13(635-15B)G57B	Red	635	13
PMT13(635-15)G55B1	SPMT13(635-15)G55B1	Red	635	13
PMT05(635-5B)G57B	SPMT05(635-5B)G57B	Red	635	5
PMT30(635-35B)G57B	SPMT30(635-35B)G57B	Red	639	30
PMT30(639-35)G55B1	SPMT30(639-35)G55B1	Red	639	30
PMT05(655-7B)G57B	SPMT05(655-7B)G57B	Red	655	5
PMT05(655-7)G55B1	SPMT05(655-7)G55B1	Red	655	5
PMT40(658-45B)G57B	SPMT40(658-45B)G57B	Red	658	40
PMT40(658-45)G55B1	SPMT40(658-45)G55B1	Red	658	40
PMT115(660-130B)G57B	SPMT115(660-130B)G57B	Red	660	115
PMT115(660-130)G55B1	SPMT115(660-130)G55B1	Red	660	115
PMT09(670-10B)G57B	SPMT09(670-10B)G57B	Red	670	10
PMT09(670-10)G55B1	SPMT09(670-10)G55B1	Red	670	10
PMT05(670-5B)G57B	SPMT05(670-5B)G57B	Red	670	5
PMT05(670-10)G55B1	SPMT05(670-10)G55B1	Red	670	5
PMT31(690-35B)G57B	SPMT31(690-35B)G57B	Red	690	35
PMT31(690-35)G55B1	SPMT31(690-35)G55B1	Red	690	35
PMT35(705-40)G50	SPMT35(705-40)G50	Red	705	35
PMT05(705-40)G50	SPMT05(705-40)G50	Red	705	5
PMT130(785-150)G50	SPMT130(785-150)G50	Infrared	785	150
PMT110(785-120B)G57B	SPMT110(785-120B)G57B	Infrared	785	110
PMT110(785-120)G50	SPMT110(785-120)G50	Infrared	785	110
PMT50(785-120)G50	SPMT50(785-120)G50	Infrared	785	50
PMT05(785-10)G55B1	SPMT05(785-10)G55B1	Infrared	785	5
PMT130(808-150)G50	SPMT130(808-150)G50	Infrared	808	130
PMT190(830-200)G50	SPMT190(830-200)G50	Infrared	830	190
PMT130(LD2211)G55B1	SPMT130(LD2211)G55B1	Infrared	905	200
PMT05(980-50)G55C	SPMT05(980-50)G55C	Infrared	940	300
PMT45(980-50)G55C	SPMT45(980-50)G55C	Infrared	980	45
PMT05(1310-10)G55C	SPMT05(1310-10)G55C	Infrared	1310	5
PMT05(1550-6)G55C	SPMT05(1550-6)G55C	Infrared	1550	5

HIGH PRECISION LASERS

CK SERIES LASER MODULES

The instrumental quality CK laser module is designed to specifically address the needs of high-end OEM applications requiring superior optical quality, ultra-stable wavelength and output powers. The CK features an onboard microprocessor, allowing for advanced integration and user control. The mechanical design of the CK allows users to replace more expensive lasers without sacrificing performance.

Product Name	Color	Wavelength (nm)	Power (mW)	Opearting Voltage (VDC)
CK315(395-315)G49	Ultraviolet	395	315	8
CK75(375-80)G48A	Ultraviolet	395	350	8
CK100(405-200)G48A	Blue	405	100	8
CK75(450-80)G48A	Blue	450	75	8
CK90(473-100)G55A2	Blue	473	90	8
CK150(488-200)G48A	Blue	488	150	8
CK50(488-55)G48A	Blue	488	50	8
CK120(520-135)G49	Green	520	120	8
CK75(520-80)G49	Green	520	75	8
CK45(520-50)G48A	Green	520	45	8
CK05(520-50)G48A	Green	520	5	8
CK13(635-15B)G50	Red	635	13	5
CK13(635-15)G50	Red	635	13	5
CK5(635-5B)G50	Red	635	5	5
CK180(635-200)G50	Red	639	180	5
CK30(635-35B)G50	Red	639	30	5
CK30(639-35)G50	Red	639	30	5
CK05(655-7B)G50	Red	655	5	5
CK05(655-7)G50	Red	655	5	5
CK40(658-45B)G50	Red	658	40	5
CK40(658-45)G50	Red	658	40	5
CK115(660-130B)G50	Red	660	115	5
CK115(660-130)G50	Red	660	115	5

Product Name	Color	Wavelength (nm)	Power (mW)	Opearting Voltage (VDC)
CK09(670-10B)G50	Red	670	10	5
CK09(670-10)G50	Red	670	10	5
CK05(670-5B)G50	Red	670	5	5
CK05(670-10)G50	Red	670	5	5
CK90(685-100)G55B1	Red	685	100	5
CK31(690-35B)G50	Red	690	35	5
CK31(690-35)G50	Red	690	35	5
CK35(705-40)G50	Red	705	35	5
CK05(705-40)G50	Red	705	5	5
CK130(785-150)G55B1	Infrared	785	150	5
CK110(785-120B)G50	Infrared	785	110	5
CK110(785-120)G50	Infrared	785	110	5
CK05(785-10)G55B1	Infrared	785	5	5
CK130(808-150)G55B1	Infrared	808	130	5
CK180(830-200)G50	Infrared	830	190	5
CK180(905-200)G50	Infrared	905	200	5
CK270(940-300)G55B1	Infrared	940	300	5
CK45(980-50)G50	Infrared	980	45	5
CK05(980-50)G50	Infrared	980	5	5
CK270(1064-300)G51	Infrared	1064	270	5
CK180(1064-200)G51	Infrared	1064	180	5
CK05(1310-10)G51	Infrared	1310	5	5
CK05(1550-6)G51	Infrared	1550	5	5

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HIGH PRECISION LASERS

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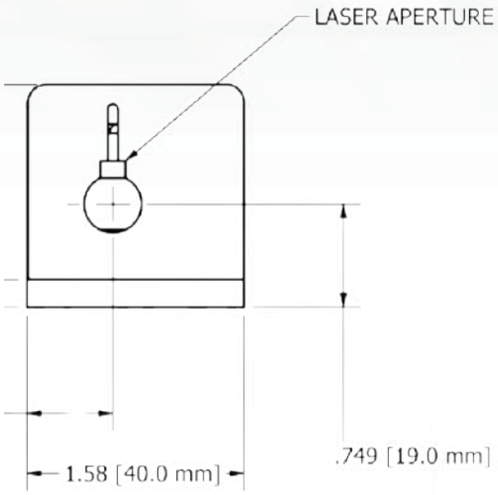
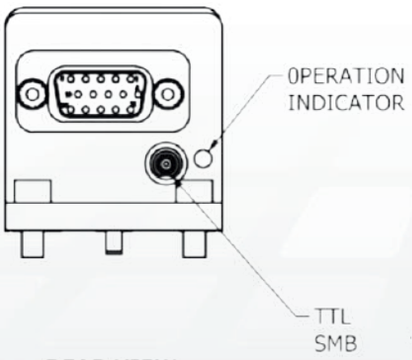
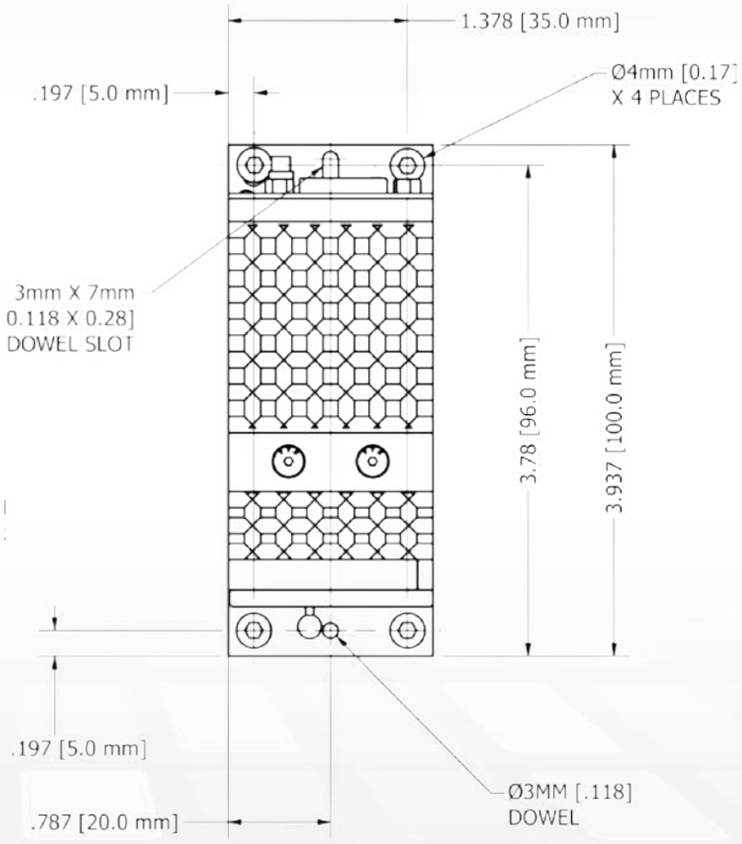


FRONT VIEW



REAR VIEW



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USB POWERED LASERS

USB-L SERIES LASER MODULES

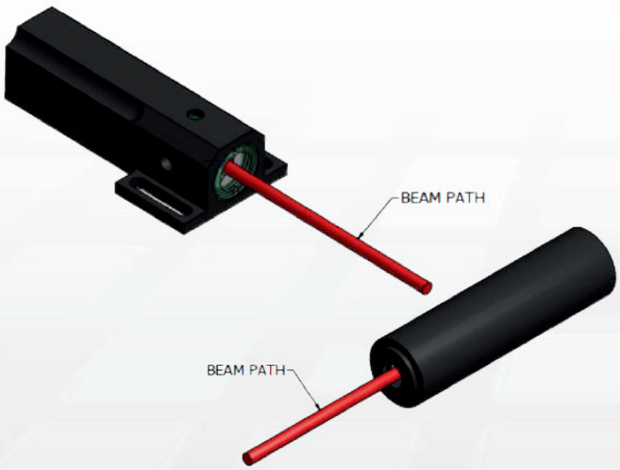
USB-L laser modules connect to standard USB ports. The USB-L is both powered and controlled via the USB interface. Modules in a wide range of wavelengths are available in either a round or elliptical beam shape configurations. Connecting via USB Micro Type B, the USB-L is designed to work with modern USB 2.0 connections (or later standards). Operators using legacy USB 1.0 connections will potentially see limited output from green, blue and violet lasers. All models offer consistent power, and a custom graphical user interface to control the power level and on/off state.

Features

- USB Powered
- Precision Beam
- Software Incl.
- Vision Systems
- High Reliability
- Round or Elliptical

Applications

- Alignment
- Positioning
- Leveling
- Event Detection
- Edge Detection
- Security
- Vision Systems
- Metrology
- Bar Code Readers
- Education
- Robotic Control
- Laboratory Ops.



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Product Name	Wavelength(nm)	Power (mW)	Beam Shape	Package Shape
USBL-450-5-S-G48A	450	5	Elliptical	Square / Round
USBL-635-15B-R-G55B1	635	15	Round	Square / Round
USBL-635-15-R-G55B1	635	15	Round	Square / Round
USBL-635-15B-S-G55B1	635	15	Elliptical	Square / Round
USBL-635-15-S-G55B1	635	15	Elliptical	Square / Round
USBL-655-5B-R-G55B1	655	5	Round	Square / Round
USBL-655-5-R-G55B1	655	5	Round	Square / Round
USBL-655-5B-S-G55B1	655	5	Elliptical	Square / Round
USBL-655-5-S-G55B1	655	5	Elliptical	Square / Round
USBL-658-40B-R-G55B1	658	40	Round	Square / Round
USBL-658-40-R-G55B1	658	40	Round	Square / Round
USBL-658-40B-S-G55B1	658	40	Elliptical	Square / Round
USBL-658-40-S-G55B1	658	40	Elliptical	Square / Round
USBL-660-115B-R-G55B1	660	115	Round	Square / Round
USBL-660-115-R-G55B1	660	115	Round	Square / Round
USBL-660-115B-S-G55B1	660	115	Elliptical	Square / Round
USBL-660-115-S-G55B1	660	115	Elliptical	Square / Round
USBL-670-9B-R-G55B1	670	9	Round	Square / Round
USBL-670-9-R-G55B1	670	9	Round	Square / Round
USBL-670-5B-R-G55B1	670	5	Round	Square / Round
USBL-670-5-R-G55B1	670	5	Round	Square / Round
USBL-670-9B-S-G55B1	670	9	Elliptical	Square / Round
USBL-670-9-S-G55B1	670	9	Elliptical	Square / Round
USBL-670-5B-S-G55B1	670	5	Elliptical	Square / Round
USBL-670-5-S-G55B1	670	5	Elliptical	Square / Round
USBL-685-90-R-Gxx OP1511	685	90	Round	Square / Round
USBL-685-90-S-G55B1	685	90	Elliptical	Square / Round
USBL-690-31B-R-G55B1	690	31	Round	Square / Round
USBL-690-31-R-G55B1	690	31	Round	Square / Round

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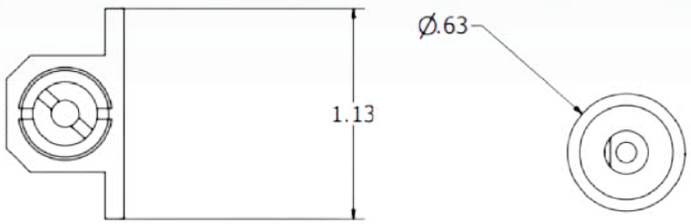
USB POWERED LASERS

USB-L SERIES LASER MODULES

USB-L laser modules connect to standard USB ports. The USB-L is both powered and controlled via the USB interface. Modules in a wide range of wavelengths are available in either a round or elliptical beam shape configurations. Connecting via USB Micro Type B, the USB-L is designed to work with modern USB 2.0 connections (or later standards). Operators using legacy USB 1.0 connections will potentially see limited output from green, blue and violet lasers. All models offer consistent power, and a custom graphical user interface to control the power level and on/off state.



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Product Name	Wavelength (nm)	Power (mW)	Beam Shape	Package Shape
USBL-690-31B-S-G55B1	690	31	Elliptical	Square / Round
USBL-690-31-S-G55B1	690	31	Elliptical	Square / Round
USBL-705-35-R-G55B1	705	35	Round	Square / Round
USBL-705-05-R-G55B1	705	5	Round	Square / Round
USBL-705-35-S-G55B1	705	35	Elliptical	Square / Round
USBL-705-05-S-G55B1	705	5	Elliptical	Square / Round
USBL-785-05-R-G55B1	785	5	Round	Square / Round
USBL-785-130-R-G55B1	785	150	Round	Square / Round
USBL-785-120B-R-G55B1	785	110	Round	Square / Round
USBL-785-110-R-G55B1	785	110	Round	Square / Round
USBL-785-50-R-G55B1	785	50	Round	Square / Round
USBL-785-130-S-G55B1	785	150	Elliptical	Square / Round
USBL-785-120B-S-G55B1	785	110	Elliptical	Square / Round
USBL-785-110-S-G55B1	785	50	Elliptical	Square / Round
USBL-130-808-150-R-G55B1	808	130	Round	Square / Round
USBL-130-808-150-S-G55B1	808	130	Elliptical	Square / Round
USBL-190-830-200-R-G50	830	190	Round	Square / Round
USBL-180-905-200-R-G50	905	200	Round	Square / Round
USBL-180-905-200-S-G50	905	200	Elliptical	Square / Round
USBL-940-100-R-G55B1	940	300	Round	Square / Round
USBL-940-100-S-G55B1	940	300	Elliptical	Square / Round
USBL-980-45-R-G51	980	45	Round	Square / Round
USBL-980-45-S-G51	980	45	Elliptical	Square / Round
USBL-1064-100-R-G51	1064	100	Round	Square / Round
USBL-1064-100-S-G51	1064	100	Elliptical	Square / Round
USBL-1310-05-R-G51	1310	5	Round	Square / Round
USBL-1310-05-S-G51	1310	5	Elliptical	Square / Round
USBL-1550-05-R-G51	1550	5	Round	Square / Round
USBL-1550-05-S-G51	1550	5	Elliptical	Square / Round

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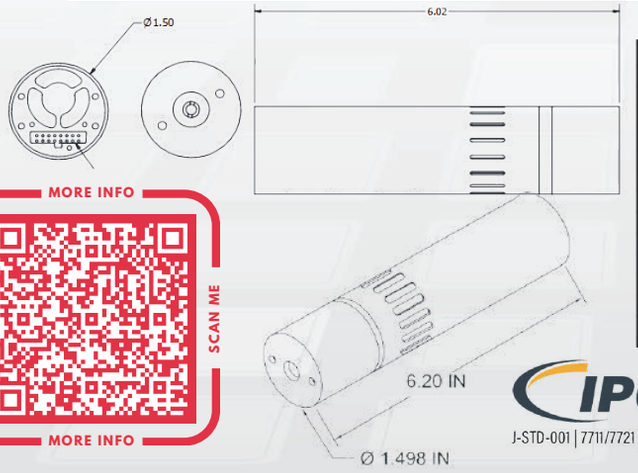
INSTRUMENT QUALITY, SUPERIOR OPTICS

HIGH-END OEM LASER MODULE - IQ1C

Power Technology's Instrument Quality (IQ) series of laser diode modules are designed specifically to address the needs of high-end OEM applications that require superior optical quality and ultra-stable temperatures, wavelengths and output powers. All IQ lasers feature an ultra-precise operating current source and a PID temperature control loop that creates less excess heat within the laser module, increasing diode lifetime, efficiency and reliability.

Product Name	Color	Wavelength (nm)	Power (mW)
IQ1C75(375-80)G48A	Ultraviolet	375	75
IQ1C195(380-210)	Ultraviolet	380	195
IQ1C315(395-315)G49	Ultraviolet	395	350
IQ1C100(405-200)G48A	Blue	405	100
IQ1C75(450-80)G48A	Blue	450	75
IQ1C150(488-200)G48A	Blue	488	150
IQ1C50(488-55)G48A	Blue	488	50
IQ1C05(520-50)G48A	Green	520	5
IQ1C120(520-135)G49	Green	520	120
IQ1C45(520-50)G48A	Green	520	45
IQ1C75(520-80)G48A	Green	520	75
IQ1C13(635-15)G55B1	Red	635	13
IQ1C13(635-15B)G55B1	Red	635	13
IQ1C5(635-5B)G55B1	Red	635	4.5
IQ1C175(635-200)G55B1	Red	639	175
IQ1C25(635-35B)G55B1	Red	639	25
IQ1C25(639-35)G55B1	Red	639	25
IQ1C05(655-7)G55B1	Red	655	5
IQ1C05(655-7B)G55B1	Red	655	5
IQ1C40(658-45)G55B1	Red	658	40
IQ1C40(658-45B)G55B1	Red	658	40
IQ1C115(660-130)G55B1	Red	660	115

Product Name	Color	Wavelength (nm)	Power (mW)
IQ1C115(660-130B)G55B1	Red	660	115
IQ1C05(670-10)G55B1	Red	670	5
IQ1C05(670-5B)G55B1	Red	670	5
IQ1C09(670-10)G55B1	Red	670	10
IQ1C09(670-10B)G55B1	Red	670	10
IQ1C90(685-100)G55B1	Red	685	100
IQ1C31(690-35)G55B1	Red	690	35
IQ1C31(690-35B)G55B1	Red	690	35
IQ1C05(705-40)G55B1	Red	705	40
IQ1C35(705-40)G55B1	Red	705	40
IQ1C05(785-10)G55B1	Infrared	785	5
IQ1C110(785-120)G55B1	Infrared	785	110
IQ1C110(785-120B)G55B1	Infrared	785	110
IQ1C130(785-150)G55B1	Infrared	785	150
IQ1C50(785-120)G55B1	Infrared	785	50
IQ1C130(808-150)G55B1	Infrared	808	130
IQ1C180(830-200)G50	Infrared	830	190
IQ1C180(905-200)G50	Infrared	905	200
IQ1C270(940-300)G55B1	Infrared	940	300
IQ1C05(980-50)G51	Infrared	980	5
IQ1C45(980-50)G51	Infrared	980	45
IQ1C175(1064-200)G51	Infrared	1064	175
IQ1C265(1064-300)G51	Infrared	1064	265
IQ1C05(1310-10)G51	Infrared	1310	5
IQ1C05(1550-6)G51	Infrared	1550	5



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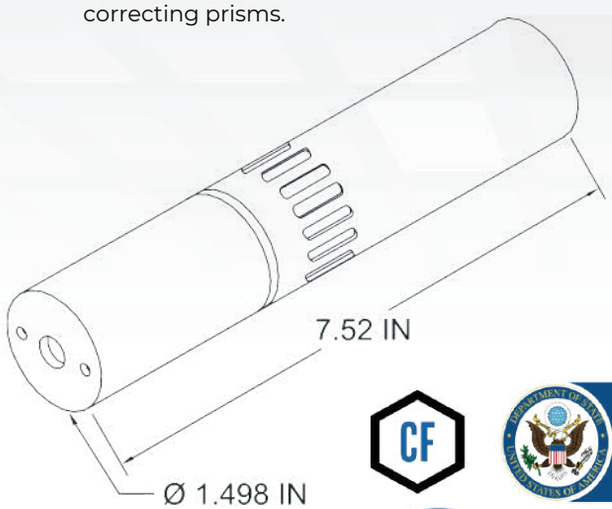
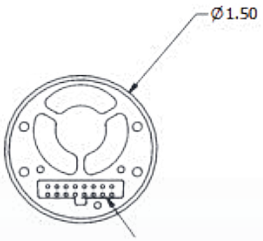
INSTRUMENT QUALITY, HIGH STABILITY

CIRCULARIZED BEAM LASER - IQ2C

The IQ2C laser is designed specifically to address the needs of high-end OEM applications requiring superior optical quality and ultra-stable temperatures, wavelengths & output powers while maintaining a circularized beam produced via anamorphic correcting prisms.





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Product Name	Color	Wavelength (nm)	Power (mW)
IQ2C75(375-80)G55A2	Ultraviolet	375	75
IQ2C315(395-350)G###	Ultraviolet	395	315
IQ2C100(405-200)G55A2	Blue	405	100
IQ2C05(450-80)G55A2	Blue	450	5
IQ2C75(450-80)G55A2	Blue	450	75
IQ2Cxx(473-100)G55A2	Blue	473	90
IQ2C150(488-200)G55A2	Blue	488	150
IQ2C50(488-55)G55A2	Blue	488	50
IQ2C25(515-30)G55A2	Green	515	25
IQ2C05(520-50)G55A2	Green	520	5
IQ2C120(520-135)G55A2	Green	520	120
IQ2C45(520-50)G55A2	Green	520	45
IQ2C180(635-200)G50	Red	639	180
IQ2C30(639-35)G48B	Red	639	30
IQ2C115(660-130)G48B	Red	660	115
IQ2C05(670-10)G55B	Red	670	5
IQ2C09(670-10)G55B	Red	670	10
IQ2C05(705-40)G50	Red	705	5
IQ2C35(705-40)G50	Red	705	35
IQ2C110(785-120)G50	Infrared	785	110
IQ2C130(187-150)G55B1	Infrared	785	150
IQ2C50(785-120)G50	Infrared	785	50
IQ2C130(808-150)G50	Infrared	808	130
IQ2C190(830-260)G50	Infrared	830	190
IQ2C180(905-200)G50	Infrared	905	200
IQ2C270(940-300)G55B1	Infrared	940	300
IQ2C05(980-50)G55B1	Infrared	980	5
IQ2C45(980-50)G55B1	Infrared	980	45
IQ2C250(1064-300)G55C	Infrared	1064	250
IQ2C05(1310-10)G55C	Infrared	1310	5
IQ2C05(1550-6)G55C	Infrared	1550	5

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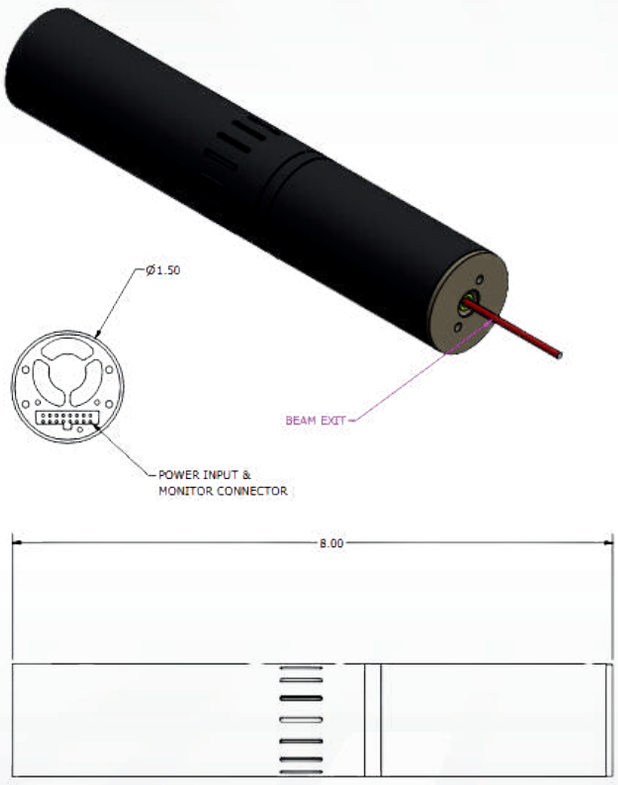
INSTRUMENT QUALITY, HIGH STABILITY

LONG COHERENCE LENGTH LASER - IQ6C

The IQ6C laser diode module is designed to address the needs of high-end OEM applications requiring narrow spectral widths and long coherence lengths. With wavelengths ranging from 390 to 2320nm, the IQ6 features a spectral width of < 5 MHz, and provides coherence lengths of more than 15 meters. The IQ6 laser features a precision current source and a PID temperature control loop that allows the unit to create less excess heat within the laser module, increasing diode lifetime, efficiency and reliability.



Product Name	Color	Wavelength (nm)	Power (mW)
IQ6C15 (395-15)G50	Ultraviolet	395	36
IQ6C35(405-35)G50	Blue	405	35
IQ6C35(415-35)G50	Blue	415	35
IQ6C45(420-45)G50	Blue	420	45
IQ6C24(460-24)G50	Blue	460	24
IQ6C20(633-16)G50	Red	633	20
IQ6C30(660-30)G50	Red	660	30
IQ6C80(780-80)G50	Infrared	780	80
IQ6C80(795-80)G50	Infrared	795	80
IQ6C160(920-160)	Infrared	920	160
IQ6C200(950-200)	Infrared	950	200
IQ6C160(1030-160)G51	Infrared	1030	160
IQ6C160(1060-160)G51	Infrared	1060	160
IQ6C160(1150-160)	Infrared	1150	160
IQ6C120(1260-160)	Infrared	1260	120
IQ6C16(1325-160)	Infrared	1325	160
IQ6C16(1450-16)G55C	Infrared	1450	16
IQ6C48(1550-48)G55C	Infrared	1550	48
IQ6C48(1590-48)G55C	Infrared	1590	48
IQ6C2.8(1650-2.8)G55C	Infrared	1650	2.8

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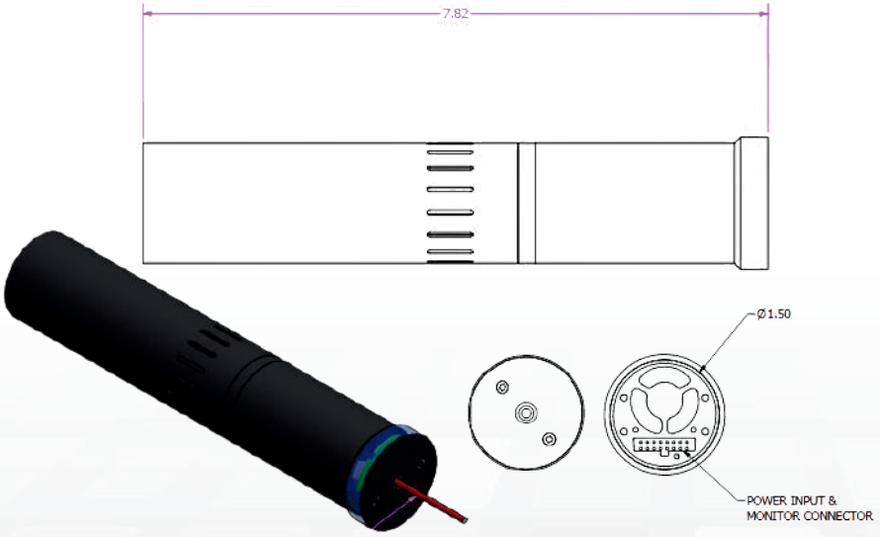
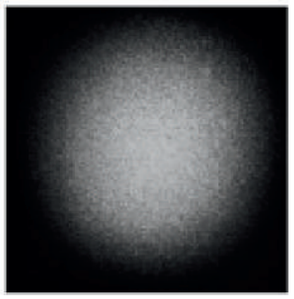
INSTRUMENT QUALITY, HIGH STABILITY

SPECKLE REDUCTION DIODE LASER - IQ7C

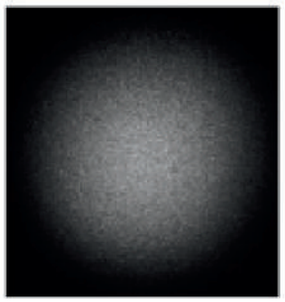
Local interferences can cause unwanted speckle noise within your laser system and degrade your important images. The IQ7 Laser Speckle Reducer allows you to significantly reduce speckle noise and improve image quality. The IQ7 dynamically diffuses the laser's coherent beam to ensure speckle reduction efficiency. Diffusing angles of 1°, 10° and 20° provide maximum versatility for a range of uses. This device can be used in beam homogenization, 3-D scanning, metrology, microscopy and interferometry applications to remove local interferences. The IQ7 Laser Speckle Reducer for machine vision is available in wavelengths from 405 to 808nm with three different circular diffusing angle options.

Product Name	Color	Wavelength (nm)	Power (mW)
IQ7C(808-120)	Infrared	808	120
IQ7C(660-150)	Red	660	150
IQ7C(515-80)	Green	515	80
IQ7C(450-80)	Blue	450	80
IQ7C(405-85)	Blue	405	85





WITHOUT IQ7



WITH IQ7 OFF

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