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- SEMICONDUCTOR LASER DIODE MODULES
- COAXIAL FIBER COUPLED LASER DIODE MODULES

— 陕西精耀光电技术有限公司 —
Aiming Laser Technology Co., Ltd.

Company profile

Aiming Laser Technology Co., Ltd. (briefly named AimLaser) manufactures diode laser modules for OEM instrument applications since its foundation in 2012. Products are available for free space and fiber coupled lasers with wavelength ranges from 405nm to 980nm and output power 0.4mW to 6000mW.

AimLaser main products are laser diode modules, Powell lens uniform line laser modules, pigtailed coaxial fiber coupled laser modules, laser line generator, laser level meter modules; and also gun laser shooting accessories like firearm dry fire training laser simulator or laser trainer or laser bullet, laser bore sights, pistol laser sights and so on.

Featured with compact size, low power consumption, high reliability and stability designs, our lasers have been successfully used in a wide range of applications like industrial positioning and surveying systems, environmental instruments, detecting equipment, medical laser instrument, laser barcode scanner, law enforcement, military defense devices and laser tools etc.

By full compliance with ISO9001:2008, FDA, IEC and GB standard, we are assuring our customer with high quality products and timely delivery on the basis of our rich industry experience, good technology, innovative R&D engineering team and world-class manufacturing facility.

Share your ideas with us, our experienced skillful and dedicated technical staff will help you to solve your design problems and help to customize products for your special applications.

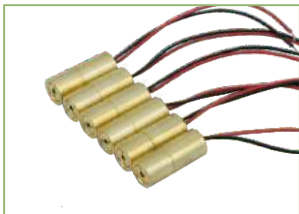


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► 405nm Blue Dot Laser Modules

Aimlaser provides customized **Blue Dot Laser Diode Modules** with different output power, beam size and dimensions for industrial and medical applications, which uses optical glass lens and input voltage various from 3v to 12V DC.



Applications

Scientific Research	Laser Scanning System
Laboratory Instrument	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Military Equipment	Laser Detecting Instrument
Consumer Product	Laser Positioning System
Nightwear Sporting Products	Laser Surveying Instrument
Automotive Interior Ambient Light	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Divergence	Working Current	BeamSize @Distance	Dimension
AM405D05G1	405nm	Φ3.0mm	<1mw	0.1mrad	<60mA	≤3.0mm@100mm	Φ10x35mm
AM405D10G1	405nm	Φ1.0mm	<3mw	0.8mrad	<80mA	≤1.0mm@200mm	Φ10x35mm
AM405D10G2	405nm	Φ4.5mm	<5mw	0.1mrad	<80mA	4x8mm@10m	Φ10x40mm
AM405D20G1	405nm	Φ1.5mm	<10mw	0.8mrad	<90mA	≤0.5mm@200mm	Φ12x40mm
AM405D40G1	405nm	Φ2.0mm	<20mw	0.4mrad	<120mA	≤2.0mm@20mm	Φ10x40mm
AM405D60G1	405nm	Φ4.5mm	<30mw	0.1mrad	<130mA	≤8.0mm@20m	Φ14x50mm
AM405D100G1	405nm	Φ4.5mm	<50mw	0.1mrad	<150mA	≤4.0mm@3m	Φ14x50mm
AM405D200G1	405nm	Φ5.5mm	<140mw	0.2mrad	<200mA	3x6.5mm@70mm	Φ14x50mm
AM405D250G1	405nm	Φ2.0mm	<160mw	0.8mrad	<300mA	≤0.5mm@350mm	Φ20x55mm
AM405D300G1	405nm	Φ2.0mm	<200mw	0.8mrad	<800mA	≤0.1mm@100mm	Φ22x80mm
AM450D10G1	450nm	Φ2.0mm	<1mw	0.3mrad	<120mA	≤1.0mm@3m	Φ10x20mm
AM450D10G2	450nm	Φ1.0mm	<3mw	0.8mrad	<100mA	≤1.0mm@200mm	Φ10x35mm
AM450D10G3	450nm	Φ4.0mm	<5mw	0.3mrad	<100mA	4x8mm@10m	Φ12x40mm
AM450D20G1	450nm	Φ3.0mm	<10mw	0.5mrad	<120mA	2x4mm@1m	Φ12x40mm
AM450D30G1	450nm	Φ5.0mm	<15mw	0.2mrad	<160mA	≤5.0mm@5m	Φ12x40mm
AM450D40G1	450nm	Φ3.5mm	<20mw	0.1mrad	<130mA	≤1.0mm@1m	Φ14x50mm
AM450D60G1	450nm	Φ4.5mm	<30mw	0.1mrad	<160mA	≤8.0mm@20m	Φ14x50mm
AM450D100G1	450nm	Φ2.0mm	<50mw	0.6mrad	<200mA	≤2.0mm@1m	Φ16x60mm
AM450D300G1	450nm	Φ1.5mm	<70mw	0.3mrad	<600mA	≤1.5mm@1.5m	Φ22x70mm

NOTE: We can customize your required wavelength, output power, beam size, working voltage and housing dimensions etc.

► 405nm Blue Line Laser Modules

AimLaser provides customized **Blue Line Laser Diode Modules** with different output power, line width and dimensions for industrial applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Laser Measuring System	Laser Detecting Instrument
Laser Scanning System	Laser Positioning System
Image Processing Instrument	Laser Surveying Instrument
Machine Vision Guidance System	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Fan Angle	Working Current	Line Thickness @Distance	Dimension
AM405L05G1	405nm	Φ3.0mm	<1mw	60°	<60mA	≤1.0mm@1m	Φ8x20mm
AM405L10G1	405nm	Φ3.0mm	<5mw	50°	<80mA	≤2.0mm@4m	Φ12x40mm
AM405L30G1	405nm	Φ4.0mm	<10mw	90°	<120mA	≤1.0mm@1m	Φ16x60mm
AM405L40G1	405nm	Φ4.0mm	<20mw	90°	<130mA	≤1.0mm@1m	Φ16x60mm
AM405L100G1	405nm	Φ3.0mm	<50mw	60°	<160mA	≤0.1mm@150mm	Φ14x50mm
AM405L200G1	405nm	Φ2.5mm	<100mw	45°	<240mA	≤0.1mm@400mm	Φ16x60mm
AM450L05G1	450nm	Φ3.0mm	<1mw	60°	<60mA	≤1.0mm@1m	Φ8x20mm
AM450L10G1	450nm	Φ3.0mm	<5mw	50°	<80mA	≤2.0mm@4m	Φ12x40mm
AM450L30G1	450nm	Φ4.0mm	<10mw	90°	<120mA	≤1.0mm@1m	Φ16x60mm
AM450L40G1	450nm	Φ4.0mm	<20mw	90°	<130mA	≤1.0mm@1m	Φ16x60mm
AM450L100G1	450nm	Φ2.0mm	<50mw	60°	<160mA	≤0.3mm@150mm	Φ14x50mm
AM450L200G1	450nm	Φ2.5mm	<100mw	45°	<240mA	≤0.1mm@400mm	Φ16x60mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

► 520nm Green Dot Laser Modules

AimLaser provides customized **Direct Green Dot Laser Modules** with different output power, beam size and dimensions for industrial applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

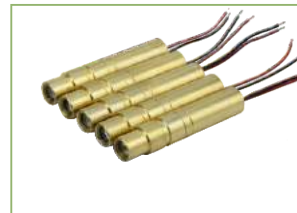
Scientific Research	Laser Scanning System
Laboratory Instrument	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Military Equipment	Laser Detecting Instrument
Consumer Product	Laser Positioning System
Nightwear Sporting Products	Laser Surveying Instrument
Automotive Interior Ambient Light	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Divergence	Working Current	Beam Size @Distance	Dimension
AM520D05G1	520nm	Φ3.0mm	<0.4mw	0.4mrad	<120mA	≤3.0mm@ 3m	Φ12x23mm
AM520D05G2	520nm	Φ4.5mm	<1.0mw	0.2mrad	<120mA	≤6.0mm@ 10m	Φ12x30mm
AM520D05G3	520nm	Φ2.0mm	<1.0mw	0.5mrad	<120mA	≤2.0mm@ 2m	Φ10x40mm
AM520D05G4	520nm	Φ1.5mm	<1.0mw	0.8mrad	<120mA	≤3.0mm@ 1m	Φ10x25mm
AM520D05G5	520nm	Φ2.0mm	<3.0mw	0.8mrad	<120mA	2x4mm@ 1.2m	Φ6.5x12mm
AM520D05G6	520nm	Φ3.5mm	<3.0mw	0.3mrad	<120mA	4x6mm@ 10m	Φ8x22mm
AM520D10G1	520nm	Φ4.5mm	<5.0mw	0.2mrad	<140mA	4x8mm@ 10m	Φ7x25mm
AM520D10G2	520nm	Φ2.5mm	<5.0mw	0.4mrad	<140mA	≤8.0mm@ 25m	Φ8x22mm
AM520D10G3	520nm	Φ4.5mm	<5.0mw	0.2mrad	<140mA	≤12mm @ 30m	Φ16x50mm
AM520D10G4	520nm	Φ3.0mm	<5.0mw	0.5mrad	<140mA	≤2.0mm @ 1.2m	Φ7x20mm
AM520D10G5	520nm	Φ2.5mm	<5.0mw	0.5mrad	<140mA	3x6mm@ 5m	Φ12x40mm
AM520D20G1	520nm	Φ3.0mm	<10mw	0.5mrad	<160mA	2x4mm@ 2m	Φ6.5x12mm
AM520D30G1	520nm	Φ6.0mm	<15mw	0.1mrad	<180mA	≤4.0mm@ 10m	Φ12x40mm
AM520D40G1	520nm	Φ4.0mm	<20mw	0.3mrad	<220mA	6x14mm@ 15m	Φ8x30mm
AM520D50G1	520nm	Φ6.0mm	<30mw	0.1mrad	<240mA	≤30mm@ 100m	Φ12x40mm
AM520D80G1	520nm	Φ4.0mm	<50mw	0.2mrad	<320mA	≤2.0mm@ 3m	Φ12x40mm
AM520D100G1	520nm	Φ2.0mm	<50mw	0.6mrad	<400mA	≤2.0mm@ 1m	Φ16x60mm

NOTE: We can customize your required wavelength, output power, beam size, working voltage and housing dimensions etc.

► 520nm Green Line Laser Modules

AimLaser provides customized **Direct Green Line Laser Modules** with different output power, line width and dimensions for industrial applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Laser Measuring System	Laser Detecting Instrument
Laser Scanning System	Laser Positioning System
Image Processing Instrument	Laser Surveying Instrument
Machine Vision Guidance System	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Fan Angle	Working Current	Line Thickness @Distance	Dimension
AM520L05G1	520nm	Φ3.0mm	<1.0mw	120°	<120mA	≤1.0mm@ 300m m	Φ12x 30mm
AM520L10G1	520nm	Φ5.0mm	<5.0mw	90°	<160mA	≤2.0mm@ 3m	Φ12x 35mm
AM520L10G2	520nm	Φ3.0mm	<5.0mw	30°	<160mA	≤0.5mm@ 500mm	Φ12x40mm
AM520L10G3	520nm	Φ4.0mm	<5.0mw	60°	<160mA	≤1.0mm @ 1m	Φ14x50mm
AM520L20G1	520nm	Φ4.0mm	<10mw	45°	<180mA	≤1.5mm@ 2m	Φ14x50mm
AM520L30G1	520nm	Φ4.0mm	<15mw	90°	<200mA	≤1.0mm@ 2m	Φ14x50mm
AM520L40G1	520nm	Φ4.5mm	<20mw	20°	<260mA	≤4.0mm@ 10m	Φ12x40mm
AM520L40G1	520nm	Φ4.5mm	<25mw	40°	<260mA	≤3.0mm@ 6m	Φ14x50mm
AM520L50G1	520nm	Φ4.0mm	<25mw	90°	<280mA	≤1.0mm@ 2m	Φ14x50mm
AM520L80G1	520nm	Φ3.0mm	<40mw	100°	<300mA	≤1.0mm@ 1m	Φ16x60mm
AM520L100G1	520nm	Φ5.0mm	<50mw	45°	<380mA	≤7.0mm@ 20m	Φ20x50mm
AM520L120G1	520nm	Φ3.0mm	<60mw	110°	<400mA	≤1.0mm@ 1m	Φ20x70mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

► 635nm Red Dot Laser Modules

AimLaser provides customized **635nm Red Dot Laser Diode Modules** with different output power, beam size and dimensions for industrial and medical applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Scanning System
Laboratory Instrument	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Military Equipment	Laser Detecting Instrument
Consumer Product	Laser Positioning System
Nightwear Sporting Products	Laser Surveying Instrument
Automotive Interior Ambient Light	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Divergence	Working Current	Beam Size @Distance	Dimension
AM635D05G1	635nm	Φ4.0mm	<0.4mw	0.7mrad	<40mA	2x4mm@100mm	Φ8x25mm
AM635D05G2	635nm	Φ1.0mm	<1.0mw	0.6mrad	<35mA	≤0.5mm@50mm	Φ10x30mm
AM635D05G3	635nm	Φ2.0mm	<2.0mw	0.8mrad	<40mA	≤1.0mm@1m	Φ10x35mm
AM635D05G4	635nm	Φ3.0mm	<3.0mw	0.4mrad	<30mA	3x6mm@5m	Φ12x40mm
AM635D10G1	635nm	Φ3.0mm	<5.0mw	0.5mrad	<50mA	4x8mm@10m	Φ6x12mm
AM635D20G1	635nm	Φ6.0mm	<10mw	0.1mrad	<70mA	≤6.0mm@5m	Φ14x50mm
AM635D30G1	635nm	Φ4.5mm	<15mw	0.2mrad	<90mA	4x3mm@1m	Φ12x40mm
AM635D40G1	635nm	Φ3.0mm	<20mw	0.5mrad	<90mA	2x4mm@2m	Φ6x12mm
AM635D50G1	635nm	Φ4.5mm	<25mw	0.1mrad	<110mA	≤5.0mm@10m	Φ14x50mm
AM635D60G1	635nm	Φ4.0mm	<40mw	0.2mrad	<120mA	≤10mm@20m	Φ14x50mm
AM635D100G1	635nm	Φ2.0mm	<50mw	0.6mrad	<200mA	≤2.0mm@1m	Φ16x60mm
AM635D150G1	635nm	Φ4.5mm	<80mw	0.1mrad	<240mA	≤5.0mm@10m	Φ14x50mm
AM635D200G1	635nm	Φ2.2mm	<100mw	0.6mrad	<250mA	≤2.0mm@2m	Φ16x60mm

NOTE: We can customize your required wavelength, output power, beam size, working voltage and housing dimensions etc.

► 635nm Red Line Laser Modules

AimLaser provides customized **635nm Red Line Laser Diode Modules** with different output power, line width and dimensions for industrial applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Laser Measuring System	Laser Detecting Instrument
Laser Scanning System	Laser Positioning System
Image Processing Instrument	Laser Surveying Instrument
Machine Vision Guidance System	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Fan Angle	Working Current	Line Thickness @Distance	Dimension
AM635L05G1	635nm	Φ3.0mm	<1.0mw	15°	<40mA	≤1.0mm@1m	Φ12x30mm
AM635L05G2	635nm	Φ3.0mm	<2.0mw	60°	<40mA	≤2.0mm@300mm	Φ12x40mm
AM635L05G3	635nm	Φ2.0mm	<3.0mw	90°	<50mA	≤1.0mm@1m	Φ9x25mm
AM635L10G1	635nm	Φ2.0mm	<5.0mw	90°	<60mA	≤1.0mm@300mm	Φ9x22mm
AM635L10G2	635nm	Φ2.4mm	<5.0mw	75°	<60mA	≤0.2mm@200mm	Φ12x30mm
AM635L10G3	635nm	Φ4.5mm	<5.0mw	5°	<60mA	≤3.0mm@5m	Φ12x40mm
AM635L20G1	635nm	Φ3.0mm	<10mw	30°	<70mA	≤0.5mm@500mm	Φ14x50mm
AM635L30G1	635nm	Φ3.0mm	<18mw	90°	<80mA	≤1.0mm@1m	Φ12x40mm
AM635L40G1	635nm	Φ4.5mm	<25mw	40°	<100mA	≤4.0mm@10m	Φ14x40mm
AM635L50G1	635nm	Φ3.0mm	<30mw	45°	<110mA	≤1.0mm@1m	Φ16x60mm
AM635L60G1	635nm	Φ3.0mm	<35mw	90°	<130mA	≤6.0mm@10m	Φ14x50mm
AM635L100G1	635nm	Φ4.5mm	<50mw	90°	<160mA	≤2.0mm@3m	Φ14x50mm
AM635L150G1	635nm	Φ3.0mm	<85mw	45°	<180mA	≤1.0mm@3m	Φ16x60mm
AM635L200G1	635nm	Φ2.5mm	<100mw	45°	<220mA	≤0.1mm@150mm	Φ16x60mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

► 650nm Red Dot Laser Modules

AimLaser provides customized **650nm Red Dot Laser Diode Modules** with different output power, beam size and dimensions for industrial and medical applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Scanning System
Laboratory Instrument	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Military Defence Equipment	Laser Detecting Instrument
Consumer Product	Laser Positioning System
Nightwear Sporting Product	Laser Surveying Instrument
Automotive Interior Ambient Light	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Divergence	Working Current	Beam Size @Distance	Dimension
AM650D05G1	650nm	Φ1.2mm	<0.4mw	0.8mrad	<40mA	≤2.0mm@1.2m	Φ10x35mm
AM650D05G2	650nm	Φ1.5mm	<1.0mw	0.8mrad	<30mA	≤0.1mm@30mm	Φ6x12mm
AM650D05G3	650nm	Φ4.0mm	<1.0mw	0.2mrad	<30mA	≤10.0mm@20m	Φ12x40mm
AM650D05G4	650nm	Φ4.5mm	<2.0mw	0.2mrad	<30mA	≤5.0mm@10m	Φ8x35mm
AM650D05G5	650nm	Φ2.5mm	<3.0mw	0.4mrad	<40mA	3x6mm@5m	Φ6.5x13mm
AM650D10G1	650nm	Φ4.5mm	<5.0mw	0.2mrad	<50mA	≤8.0mm@25m	Φ8x22mm
AM650D10G2	650nm	Φ3.0mm	<5.0mw	0.4mrad	<35mA	4x8mm@10m	Φ6.5x13mm
AM650D10G3	650nm	Φ2.5mm	<5.0mw	0.4mrad	<50mA	≤1.0mm@1m	Φ12x40mm
AM650D20G1	650nm	Φ4.0mm	<10mw	0.2mrad	<60mA	≤5.0mm@10m	Φ10x35mm
AM650D30G1	650nm	Φ1.0mm	<15mw	1.0mrad	<80mA	≤0.5mm@150mm	Φ8x14mm
AM650D40G1	650nm	Φ1.5mm	<20mw	0.6mrad	<90mA	≤1.0mm@1m	Φ10x35mm
AM650D50G1	650nm	Φ4.0mm	<25mw	0.2mrad	<160mA	≤5.0mm@10m	Φ14x50mm
AM650D60G1	650nm	Φ4.0mm	<30mw	0.2mrad	<160mA	≤8.0mm@20m	Φ14x50mm
AM650D80G1	650nm	Φ2.5mm	<35mw	0.4mrad	<160mA	≤2.0mm@200mm	Φ12x40mm
AM650D100G1	650nm	Φ3.0mm	<50mw	0.5mrad	<180mA	≤1.0mm@500mm	Φ16x50mm
AM650D130G1	650nm	Φ4.0mm	<80mw	0.2mrad	<220mA	≤5.0mm@10m	Φ14x50mm
AM650D150G1	650nm	Φ5.0mm	<100mw	0.2mrad	<240mA	≤8.0mm@20m	Φ16x60mm

NOTE: We can customize your required wavelength, output power, beam size, working voltage and housing dimensions etc.

► 650nm Red Line Laser Modules

AimLaser provides customized **650nm Red Line Laser Diode Modules** with different output power, line width and dimensions for industrial applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Aiming Devices
Medical Laser Instrument	Laser Alignment System
Laser Measuring System	Laser Detecting Instrument
Laser Scanning System	Laser Positioning System
Image Processing Instrument	Laser Surveying Instrument
Machine Vision Guidance System	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Fan Angle	Working Current	Line Thickness @Distance	Dimension
AM650L05G1	650nm	Φ4.0mm	<1.0mw	30°	<30mA	≤1.0mm@1m	Φ12x30mm
AM650L05G2	650nm	Φ3.0mm	<3.0mw	110°	<40mA	≤2.0mm@1.5m	Φ12x40mm
AM650L10G1	650nm	Φ3.0mm	<3.5mw	60°	<50mA	≤0.3mm@300mm	Φ10x30mm
AM650L10G2	650nm	Φ2.4mm	<5.0mw	90°	<50mA	≤0.5mm@150mm	Φ6x15mm
AM650L10G3	650nm	Φ3.0mm	<5.0mw	120°	<50mA	≤1.0mm@1m	Φ12x40mm
AM650L20G1	650nm	Φ3.0mm	<10mw	90°	<70mA	≤1.0mm@1m	Φ12x40mm
AM650L30G1	650nm	Φ3.0mm	<15mw	35°	<90mA	≤0.5mm@180m	Φ12x40mm
AM650L40G1	650nm	Φ4.5mm	<20mw	20°	<100mA	≤5.0mm@10m	Φ12x40mm
AM650L50G1	650nm	Φ5.0mm	<25mw	90°	<130mA	≤2.0mm@3m	Φ12x40mm
AM650L60G1	650nm	Φ2.0mm	<30mw	26°	<140mA	≤0.5mm@300mm	Φ12x40mm
AM650L80G1	650nm	Φ3.0mm	<45mw	90°	<160mA	≤3.0mm@10m	Φ14x50mm
AM650L100G1	650nm	Φ2.0mm	<50mw	30°	<180mA	≤0.3mm@400mm	Φ14x50mm
AM650L130G1	650nm	Φ4.0mm	<70mw	110°	<200mA	≤1.0mm@1m	Φ20x70mm
AM650L150G1	650nm	Φ4.0mm	<85mw	15°	<210mA	≤0.3mm@100m	Φ14x50mm
AM650L200G1	650nm	Φ5.0mm	<100mw	20°	<220mA	≤4.0mm@7m	Φ16x70mm
AM650L250G1	650nm	Φ2.0mm	<120mw	45°	<240mA	≤1.0mm@600mm	Φ16x70mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

► Infrared Dot Laser Modules

AimLaser provides customized **Infrared Dot Laser Diode Modules** with different output power, beam size and dimensions for industrial and medical applications, which uses optical glass lens and input voltage various from 3V to 12V DC.



Applications

Scientific Research	Laser Aiming Devices
Laboratory Instrument	Laser Scanning System
Night Vision Product	Laser Detecting Instrument
Laser Shooting Sports	Laser Positioning System
Military Defense Equipment	Laser Surveying Instrument
Medical Laser Instrument	Laser Measuring Equipment
Portable Hair Removal Devices	OEM Instrumentation

Model	Wave Length	Output Aperture	Output Power	Divergence	Working Current	Beam Size @Distance	Dimension
AM780D05G1	780nm	Φ3.0mm	<2.5mw	0.4mrad	<35mA	4x8mm@10m	Φ6x12mm
AM780D10G1	780nm	Φ1.0mm	<5.0mw	1.0mrad	<40mA	≤0.1mm@100mm	Φ12x40mm
AM780D20G1	780nm	Φ3.0mm	<10mw	0.4mrad	<60mA	8x16mm@20m	Φ6x12mm
AM780D100G1	780nm	Φ3.0mm	<50mw	0.5mrad	<160mA	≤2.0mm@10m	Φ14x50mm
AM808D05G1	808nm	Φ4.5mm	<2.5mw	0.2mrad	<60mA	4x8mm@10m	Φ12x40mm
AM808D60G1	808nm	Φ3.0mm	<30mw	0.5mrad	<120mA	10x30mm@20m	Φ6.5x13mm
AM808D200G1	808nm	Φ2.0mm	<100mw	0.6mrad	<210mA	≤2.0mm@100mm	Φ26x110mm
AM808D500G1	808nm	Φ6.0mm	<200mw	0.2mrad	<600mA	≤6.0mm@2m	Φ20x70mm
AM808D1000G1	808nm	Φ4.5mm	<500mw	0.6mrad	<1000mA	≤1.0mm@10mm	Φ12x30mm
AM808D5000G1	808nm	Φ2.0mm	<5000mw	0.3mrad	<5000mA	≤1.0mm@120mm	Φ16x50mm
AM850D05G1	850nm	Φ3.0mm	<0.6mw	0.5mrad	<30mA	6x12mm@10m	Φ6x14mm
AM850D05G2	850nm	Φ4.5mm	<1.0mw	0.2mrad	<40mA	≤8.0mm@30m	Φ8x22mm
AM850D10G1	850nm	Φ3.0mm	<5.0mw	0.4mrad	<50mA	4x8mm@10m	Φ6x13mm
AM850D60G1	850nm	Φ4.0mm	<30mw	0.1mrad	<120mA	≤2.0mm@5m	Φ14x30mm
AM850D100G1	850nm	Φ2.5mm	<50mw	0.4mrad	<130mA	≤2.0mm@1m	Φ20x70mm
AM980D05G1	980nm	Φ3.0mm	<1.0mw	0.4mrad	<60mA	≤3.0mm@150m	Φ12x40mm
AM980D10G1	980nm	Φ2.0mm	<5.0mw	0.8mrad	<70mA	4x8mm@10m	Φ8x25mm
AM980D20G1	980nm	Φ4.0mm	<10mw	0.4mrad	<80mA	6x14mm@20m	Φ8x25mm
AM980D50G1	980nm	Φ1.5mm	<25mw	0.8mrad	<120mA	≤1.0mm@1m	Φ12x40mm

NOTE: We can customize your required wavelength, output power, beam size, working voltage and housing dimensions etc.

► Mini Laser Diode Modules

AimLaser provides customized **Mini Laser Diode Modules** with different output power, beam size and dimensions, which uses optical glass lens and input voltage various from 2V to 5V DC.



Features

Smallest Size
Low Cost
Compact Structure
Low Power Consumption

Applications

Laser Aiming Devices
Gun Laser Sights
Laser Barcode Scanners
Miniature Laser Tools

Model	Wave Length	Output Aperture	Output Power	Divergence	Working Current	Beam Size @Distance	Dimension
ML520-05G1	520nm	Φ1.0mm	<1.0mw	0.8mrad	<120mA	≤1.0mm@200mm	Φ4x8.5mm
ML520-05G3	520nm	Φ2.5mm	<3.0mw	0.6mrad	<160mA	5x10mm@10m	Φ6x12mm
ML520-10G1	520nm	Φ2.4mm	<5.0mw	1.0mrad	<140mA	5x10mm@10m	Φ4x8.5mm
ML520-10G2	520nm	Φ2.0mm	<5.0mw	0.8mrad	<140mA	10x22mm@20m	Φ4x10mm
ML520-10G3	520nm	Φ3.0mm	<5.0mw	0.6mrad	<140mA	5x10mm@10m	Φ6x12mm
ML635-05G1	635nm	Φ1.0mm	<0.4mw	0.8mrad	<35mA	5x10mm@10mm	Φ3.3x9.5mm
ML635-05G2	635nm	Φ1.0mm	<1.0mw	0.6mrad	<35mA	<0.5mm@100mm	Φ4x10mm
ML635-05G3	635nm	Φ3.0mm	<3.0mw	0.6mrad	<35mA	10x22mm@20m	Φ6x12mm
ML635-10G1	635nm	Φ1.5mm	<5.0mw	1.2mrad	<50mA	1x2mm@100mm	Φ4x8.5mm
ML635-10G2	635nm	Φ2.0mm	<5.0mw	0.8mrad	<50mA	5x10mm@10m	Φ4x10mm
ML635-10G3	635nm	Φ3.0mm	<5.0mw	0.5mrad	<50mA	10x22mm@20m	Φ6x12mm
ML780-05G1	780nm	Φ1.0mm	<0.4mw	1.0mrad	<20mA	7x12mm@10mm	Φ4x8.5mm
ML850-05G1	850nm	Φ2.0mm	<1.0mw	0.8mrad	<20mA	≤2.5mm@1m	Φ3.8x8.5mm
ML850-05G3	850nm	Φ2.4mm	<3.0mw	1.2mrad	<30mA	7x16mm@10m	Φ3.3x8.0mm
ML850-10G2	850nm	Φ2.0mm	<5.0mw	0.8mrad	<35mA	10x22mm@20m	Φ4x10mm
ML850-10G3	850nm	Φ3.0mm	<5.0mw	0.6mrad	<40mA	5x10mm@10m	Φ6x12mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

► Powell Lens Uniform Line Laser Generators

AimLaser provides customized **Uniform Line Laser Diode Modules** which use high quality *Powell lens* and possess characteristics of compact size, high stability and reliability. The thinnest line can be 10um; fan angle is optional from 10° to 90° and wavelength from 405nm to 850nm. The input voltage is also various from 3V to 12V DC.



Applications

3D Vision System
Laser Profilometer
Laser Contour Scanner
Machine Visual Products
Machine Vision Cameras
Industrial Smart Cameras

Laser Scanning System
Laser Measuring Profilometer
Laser Scribe Positioning Machines
Industrial Visual Measurement System
Industrial Robot Visual Guidance System
Automatic Equipment Visual Positioning System

Model	Wave Length	Output Aperture	Output Power	Fan Angle	Working Current	Line Thickness @Distance	Dimension
AM405U20G1	405nm	Φ3.0mm	<10mw	20°	<80mA	≤50um@80mm	Φ16x20mm
AM405U50G2	405nm	Φ4.0mm	<30mw	45°	<120mA	≤40um@100mm	Φ14x50mm
AM405U100G1	405nm	Φ6.0mm	<50mw	60°	<160mA	≤30um@150mm	Φ14x50mm
AM405U200G1	405nm	Φ6.0mm	<120mw	60°	<280mA	≤50um@150mm	Φ14x50mm
AM520U10G1	520nm	Φ6.0mm	<1.0mw	60°	<140mA	≤30um@100mm	Φ14x50mm
AM520U10G2	520nm	Φ3.0mm	<3.0mw	30°	<140mA	≤50um@50mm	Φ16x20mm
AM520U40G1	520nm	Φ4.0mm	<20mw	30°	<200mA	≤1.0mm@300mm	Φ12x40mm
AM520U50G2	520nm	Φ4.0mm	<30mw	30°	<250mA	≤3.0mm@7m	Φ14x50mm
AM635U10G1	635nm	Φ5.0mm	<0.4mw	10°	<50mA	≤14um@70mm	Φ14x50mm
AM635U10G2	635nm	Φ1.5mm	<3.5mw	90°	<50mA	≤100um@250mm	Φ10x35mm
AM635U20G1	635nm	Φ3.0mm	<10mw	30°	<90mA	≤100um@200mm	Φ12x45mm
AM635U40G1	635nm	Φ4.0mm	<20mw	30°	<100mA	≤0.6mm@300mm	Φ12x45mm
AM635U40G2	635nm	Φ4.0mm	<20mw	30°	<100mA	≤0.5mm@500mm	Φ14x50mm
AM650U30G1	650nm	Φ3.0mm	<15mw	30°	<90mA	≤1.0mm@150mm	Φ16x20mm
AM650U40G1	650nm	Φ4.0mm	<20mw	30°	<120mA	≤1.0mm@300mm	Φ12x40mm
AM650U100G1	650nm	Φ4.0mm	<50mw	90°	<160mA	≤0.5mm@500mm	Φ14x50mm
AM650U200G1	650nm	Φ6.0mm	<100mw	20°	<220mA	≤50um@150mm	Φ14x50mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc

► Coaxial Fiber Coupled Laser Modules

AimLaser provides low power **Coaxial Fiber Coupled Laser Diode Modules** or **Fiber Pigtailed Laser Diode Modules**.



The wavelength ranges from 405nm to 980nm and fiber core 4um, 9um, 50um, 62.5um, 105um, 125um, 170um and 200um etc. The connectors are available for SMA, FC or ST together with different fiber length.

Features with compact size and low power consumption, our fiber coupled lasers use special designed LD drivers based on customer applications and PD feedbacks can be added to improve the reliability and stability of the lasers.

Model	Wave Length	Output Power	Fiber Core	NA	Working Current	Input Voltage	Connector	Dimension
AM405F10SMA	405nm	<3.0mw	200um	0.22	<90mA	5VDC	SMA	Φ14x50mm
AM405F30FC	405nm	<10mw	4um	0.12	<90mA	5VDC	FC	Φ14x50mm
AM405F50FC	405nm	<20mw	62.5um	0.22	<90mA	7VDC	FC	Φ14x50mm
AM405F200FC	405nm	<70mw	50um	0.22	<250mA	5VDC	FC	Φ14x50mm
AM405F200SMA	405nm	<100mw	105um	0.22	<500mA	5VDC	SMA	42x62x105mm
AM450F60FC	450nm	<20mw	170um	0.22	<120mA	3VDC	FC	Φ14X147mm
AM450F80FC	450nm	<40mw	4um	0.13	<140mA	3VDC	FC	Φ6.5X20mm
AM450F100SMA	450nm	<50mw	105um	0.22	<150mA	3VDC	SMA	Φ14X46mm
AM450F400FC	450nm	<200mw	125um	0.22	<600mA	6VDC	FC	Φ14X30mm
AM520F10FC	520nm	<3.0mw	4um	0.13	<180mA	3VDC	FC	Φ14x50mm
AM520F80FC	520nm	<5.0mw	9um	0.12	<150mA	5VDC	FC	Φ14x50mm
AM520F50FC	520nm	<20mw	9um	0.13	<240mA	5VDC	FC	Φ9x20mm
AM520F60FC	520nm	<30mw	105um	0.22	<180mA	3.7VDC	FC	Φ14x50mm
AM520F120SMA	520nm	<60mw	105um	0.22	<850mA	3VDC	SMA	Φ14x50mm
AM532F20FC	532nm	<5.0mw	4um	0.13	<300mA	3VDC	FC	Φ14x50mm
AM532F50FC	532nm	<50mw	125um	0.22	<1500mA	5VDC	FC	42X62X105mm

NOTE: We can customize your required wavelength, output power, fiber core, numerical value, working voltage and connector etc.

► **CrossHair Line Laser Modules**

Model	Wave Length	Output Power	FanAngle		Working Current	Linearity	LineThickness @Distance	Dimension
			Horizontal	Vertical				
AM635C05G1	635nm	<3.0mw	≥110°	≥100°	<45mA	≤80"	≤3.0mm@5m	Φ15x24mm
AM635C10G1	635nm	<5.0mw	≥110°	≥100°	<75mA	≤80"	≤3.0mm@5m	Φ15x24mm
AM635C20G1	635nm	<12mw	≥110°	≥100°	<80mA	≤80"	≤3.0mm@5m	Φ15x24mm
AM635C100G1	635nm	<60mw	≥110°	≥100°	<140mA	≤80"	≤3.0mm@5m	Φ15x24mm

► **360° Circle Line Laser Modules**

Model	Wave Length	Output Power	FanAngle	Working Current	OutputPower Ratio	LineThickness @Distance	Line Accuracy	DOF	Dimension
AM635R20G1	635nm	<0.6mw	360°	<80mA	≤5:1	≤2.0mm@5m	<1mm@5m	1m	Φ12x22mm
AM660R100G1	660nm	<2.0mw	360°	<150mA	≤4:1	≤2.5mm@5m	<1mm@5m	1m	Φ12x22mm
AM660R180G1	660nm	<2.3mw	360°	<180mA	≤4:1	≤2.0mm@5m	<1mm@5m	1m	Φ12x22mm
AM515R30G1	515nm	<0.7mw	360°	<280mA	≤5:1	≤3.0mm@5m	<1mm@5m	1m	Φ12x22mm

► **Laser Level Meter Modules (Line Laser Modulesor Linewith Dot Laser Modules)**

Model	Wave Length	Output Power	FanAngle	Working Current	LineThickness @Distance	Line Accuracy	DOF	Dimension
AM635M05G2	635nm	<3.0mw	120°/180°	<45mA	≤2.0mm@5m	<1mm@5m	1m	Φ15x21mm
AM635M10G2	635nm	<5.0mw	120°/180°	<75mA	≤2.0mm@5m	<1mm@5m	1m	Φ15x21mm
AM635M20G2	635nm	<10mw	120°/180°	<80mA	≤2.5mm@5m	<1mm@5m	1m	Φ15x21mm
AM640M40G2	640nm	<25mw	120°/180°	<130mA	≤2.5mm@5m	<1mm@5m	1m	Φ15x21mm
AM660M100G2	660nm	<60mw	120°/180°	<140mA	≤3.0mm@5m	<1mm@5m	1m	Φ15x21mm
AM515M30G2	515nm	<20mw	120°/180°	<140mA	≤2.0mm@5m	<1mm@5m	1m	Φ15x21mm
AM520M10G2	520nm	<6.0mw	120°/180°	<90mA	≤2.5mm@5m	<1mm@5m	1m	Φ15x21mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

► **Laser Line Generators**

The **Laser Line Generator** is mainly used in wood, stone, and cloth cutting machines or packing machines by projecting a distinct red or green laser line to guide the machine operations.



The laser line features with high stability, high accuracy, high brightness, good straightness, and thinner thickness; and the laser line projector processes small size, convenient adjusting, easy mounting and long lifespan characteristics.

We can make fixed focus and adjustable focus laser line projectors to meet different customers' requirements.

Special power supply and mounting bracket are provided.

Model	Wavelength	Output Power	Line Thickness @Distance	Fan Angle	LineLength	Operating Voltage	Dimension
ALP520-10A	520nm	5mW	<1.5mm@3m	90°	6m@3m	3-5V DC	Φ16x74mm
ALP520-40A	520nm	20mW	<2.5mm@5m	90°	10m@5m	3-5V DC	Φ16x74mm
ALP520-50A	520nm	25mW	<1.0mm@1m	90°	2m@1m	3-5V DC	Φ16x74mm
ALP520-100B	520nm	50mW	<1.5mm@1m	110°	3m@1m	3-5V DC	Φ26x110mm
ALP635-10A	635nm	5mW	<1.0mm@1m	90°	1m@2m	3-5V DC	Φ16x74mm
ALP635-10C	635nm	5mW	<1.0mm@2m	120°	7m@2m	3-5V DC	Φ12x40mm
ALP635-10D	635nm	5mW	<1.0mm@1m	90°	1m@2m	3-5V DC	Φ16x50mm
ALP635-20A	635nm	10mW	<1.0mm@3m	90°	6m@3m	3-5V DC	Φ16x74mm
ALP635-30B	635nm	15mW	<1.0mm@3m	110°	8m@3m	3-5V DC	Φ26x110mm
ALP650-40B	650nm	20mW	<3.0mm@5m	90°	10m@5m	3-5V DC	Φ26x110mm
ALP650-60B	650nm	30mW	<1.0mm@3m	120°	10m@3m	3-5V DC	Φ26x110mm
ALP650-100B	650nm	50mW	<1.0mm@3m	120°	10m@3m	3-5V DC	Φ26x110mm
ALP650-150B	650nm	100mW	<2.0mm@6m	120°	10m@6m	3-5V DC	Φ26x110mm
ALP650-200B	650nm	120mW	<3.0mm@6m	80°	10m@6m	3-5V DC	Φ26x110mm
ALP650-xxxF (Focusable)	650nm	1-200mW	<0.4mm@1m <1.0mm@3m <1.5mm@6m	120°	Adjustable Line	3-5V DC	Φ16x80mm Φ16x110mm

NOTE: We can customize your required wavelength, output power, line width, fan angle, working voltage and housing dimensions etc.

LASER MODULE APPLICATIONS



Gun Laser Aiming Devices



Golf Laser Rangefinder



Laser Gas Leaking Detector



Large Format Scanning System



Biomedical Instrument



Laser Hair Removal Devices



Machine Vision System



VR and 3D Sensing



Auto Laser Sensor Aiming System



Laser Line Projections



Laser Barcode Scanner



Laser Level Meters



UAV(Unmanned Aerial Vehicle)



Security System



Mobile Projector



Nightwear Sport Products

AIMING LASER FACTORY CAPABILITY DISPLAY



Our Workshop



Incoming Material Inspection



Production & Welding



Assembly & Quality Inspection



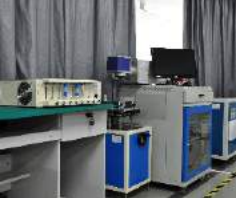
CNC Equipment



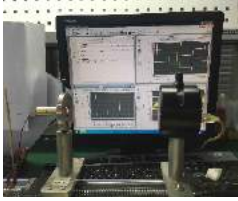
Auto Welding Machine



Off-Axis Angle Adjustment



Label Laser Marking Machine



Thorlabs Beam Meter



High-Low Temp. Test Chamber



Quadratic Microscope



Battery Detector



ISO9001 Certificate



ISO14001 Certificate



IPMS Certificate



Laser Bio Analytical Patent



Laser Calibration Patent