

MIL-F-1990/1~1000mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1990nm




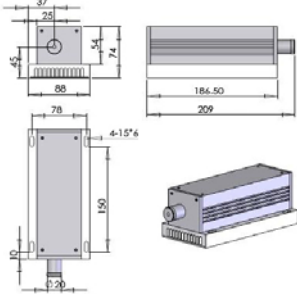
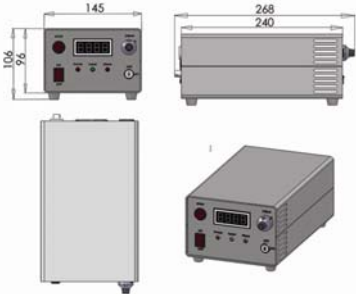
All solid state infrared laser at 1990nm is made features of ultra compact, long lifetime and easy operating, which is used in Ho:YAG laser pumping, medical, scientific research, etc.



SPECIFICATIONS

Wavelength (nm)	1990±4	
Output power (mW)	>1, 2, 3, ..., 1000	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%, <10%	
Warm-up time (minutes)	<10	
M ² factor	<4	
Beam divergence, full angle (mrad)	<8	
Beam diameter at the aperture (mm)	<3	
Beam height from base plate (mm)	45	
Polarizaion ratio	~500:1	
Spectral linewidth(mm)	5	
Operating temperature (°C)	15~30	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-F-1990	PSU-H-LED	PSU-H-FDA
 <p>209(L)×88(W)×74(H) mm³, 1.6 kg</p>	 <p>268 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>
		

MIL-W-1990/1~11W

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1990nm


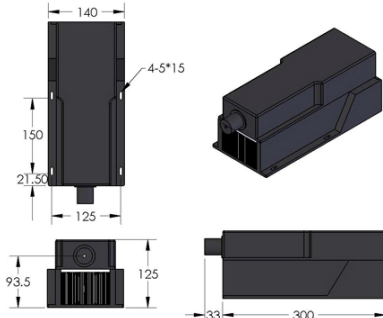

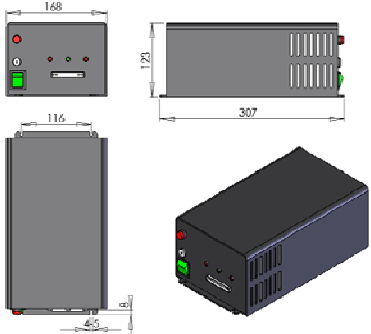
All solid state infrared laser at 1990nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in Ho:YAG laser pumping, medical, scientific research, etc.



SPECIFICATIONS

Wavelength (nm)	1990 ± 5
Output power (W)	>1, 2, 3, ..., 11
Operating mode	CW
Power stability (rms, over 4 hours)	<3%, <5%, <10%
Warm-up time (minutes)	<10
M ² factor	<4
Beam divergence, full angle (mrad)	<8
Beam diameter at the aperture (mm)	<4
Beam height from base plate (mm)	96
Polarization ratio	~500:1
Spectral linewidth(nm)	5
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MxL-W-1990	Dimensions	PSU-W-FDA	Dimensions
 <p>333(L)×140(W)×125(H) mm³, 6.1 kg</p>		 <p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>	



MSL-AO-1064/1~200uJ

**SINGLE LONGITUDINAL MODE
PULSED INFRARED LASER
AT 1064 nm**


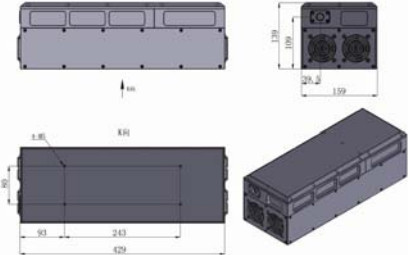
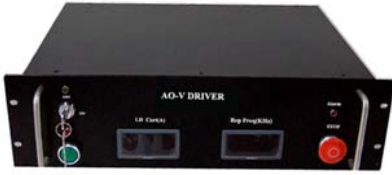

All solid state single frequency pulsed laser at 1064nm is made features of high power, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1064
Operating mode	AO Q-switched
Single pulse energy (μJ)	1~200
Longitudinal mode	Single
Pulse duration (ns)	25
Peak power (kW)	1~8
Rep. rate (Hz)	1~1000, a fixed value
Polarization ratio	> 100:1
Pointing stability after warm-up (mrad)	<0.05
Transverse mode	TEM ₀₀
M ² factor	<1.2
Ave power stability (over 4 hours)	<5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2
Beam diameter at the aperture (mm)	~2
Beam height from base plate (mm)	109
Cooled method	Air cooled
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-AOM



MSL-AO-1064	Dimension	PSU-AOM(3U)	Dimension
 <p>429(L) × 159(W) × 139(H) mm³</p>		 <p>485(L) × 381(W) × 133 (H) mm³, 12.4 kg</p>	



MSL-III-1064/1~1000mW

SINGLE LONGITUDINAL MODE INFRARED LASER AT 1064 nm

All solid state single frequency laser at 1064nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1064±1
Output power (mW)	>1, 5, 10, 20, ... ,1000
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.5
Beam diameter at 1/e ² (mm)	~1.5
Beam height from base plate (mm)	24.8
Spectral linewidth (nm)	<0.00001
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
Coherent length (m)	>50
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-III-FDA
Modulation	Modulation isn't available.
Expected lifetime (hours)	10000
Warranty	1 year



MxL-III-1064	Dimension	PSU-III-FDA	Dimension
<p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p>		<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	



MSL-R-1064/1~10W

**SINGLE LONGITUDINAL MODE
INFRARED LASER AT 1064 nm**


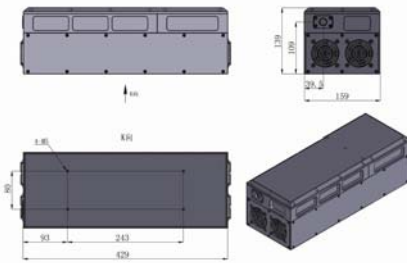

All solid state single frequency laser at 1064nm is made features of high power, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1064±1
Output power (W)	>1, 2, ... ,10
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1. 2
Beam divergence, full angle (mrad)	<1. 5
Beam diameter at 1/e ² (mm)	~1.5
Beam height from base plate (mm)	109
Spectral linewidth (nm)	<0.00001
Polarization ratio	>100:1
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0. 5%
Coherent length (m)	>50
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty	1 year



MSL-R-1064	Dimension	PSU-W-FDA	Dimension
 429(L) × 159(W) × 139(H) mm ³		 307 (L) × 168(W) × 123(H) mm ³ , 5.1 kg	