MLL-U-457 /1-400mW

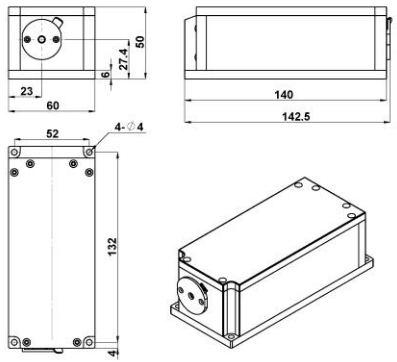
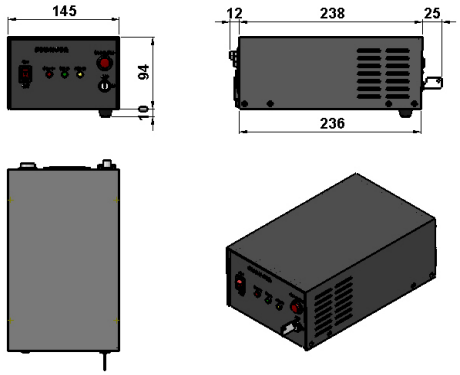
ULTRA- LOW NOISE DPSS LASER AT 457nm

Ultra low noise laser at 457nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	457±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 150	>150, … , 400
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.5	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Vertical±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Base plate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-457	PSU-H-FDA
	
142.5 (L)×60(W) ×50(H) mm^3, 1.0 kg	236(L) ×145(W) ×104(H) mm^3, 2.3 kg

MLL-U-473 /1-300mW

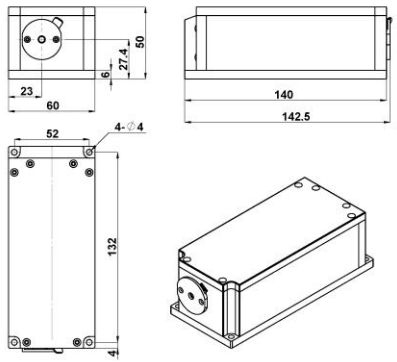
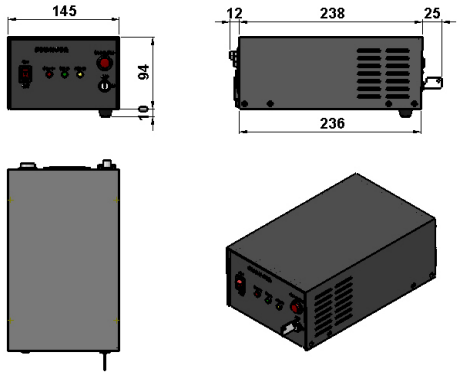
ULTRA- LOW NOISE DPSS LASER AT 473nm

Ultra low noise laser at 473nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 200	>200, … , 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.2	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Vertical±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Base plate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-473	PSU-H-FDA
	
142.5 (L)×60(W) ×50(H) mm^3, 1.0 kg	236(L) ×145(W) ×104(H) mm^3, 2.3 kg

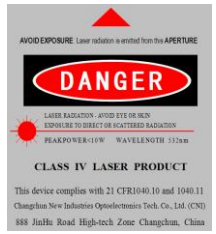
MLL-U-532 /1-1500mW

ULTRA- LOW NOISE DPSS LASER AT 532nm

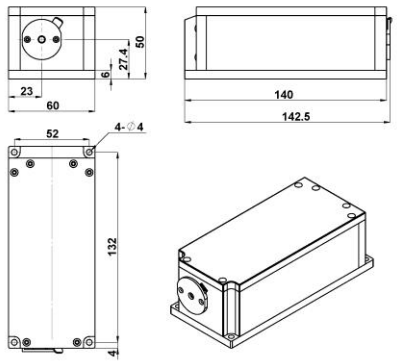
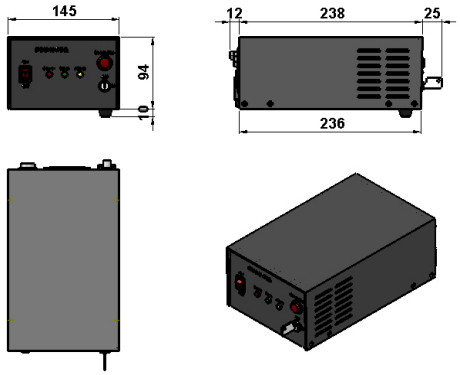
Ultra low noise laser at 532nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	532±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 1000	>1000, …, 1500
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.2	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Baseplate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-532	PSU-H-FDA
	
142.5 (L)×60(W) ×50(H) mm³, 1.0 kg	236(L) ×145(W) ×104(H) mm³, 2.3 kg

MLL-U-561 /1~200mW

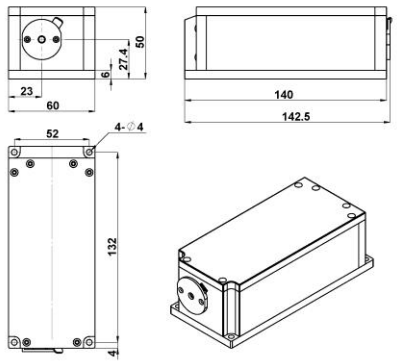
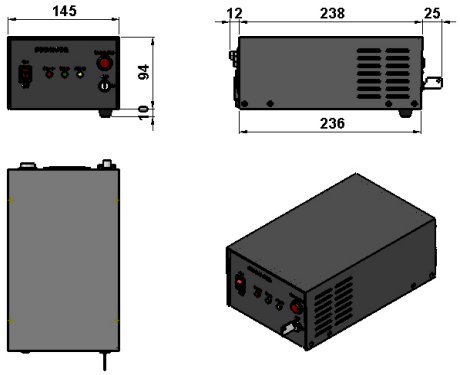
ULTRA- LOW NOISE DPSS LASER AT 561nm

Ultra low noise laser at 561nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	561±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 100	>100, … , 200
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.2	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Vertical±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Base plate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-561	PSU-H-FDA
	
142.5(L)×60(W) ×50(H) mm³, 1.0 kg	236(L) ×145(W) ×104(H) mm³, 2.3 kg

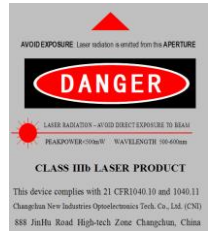
MLL -U-588 /1-200mW

ULTRA- LOW NOISE DPSS LASER AT 588nm

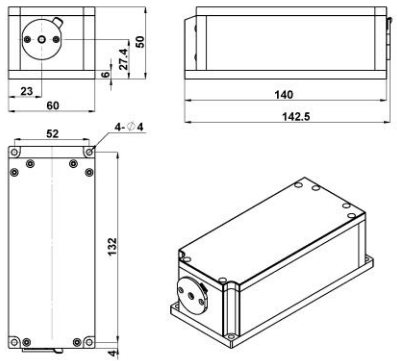
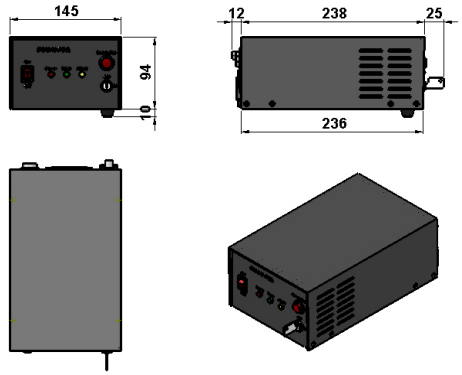
Ultra low noise laser at 588nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	588±2	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 100	>100, … , 200
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<3%, <5%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.2	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Horizontal±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Base plate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-588	PSU-H-FDA
	
142.5 (L)×60(W) ×50(H) mm^3, 1.0 kg	236(L) ×145(W) ×104(H) mm^3, 2.3 kg

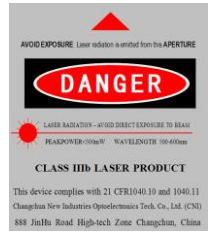
MLL -U-589 /1-200mW

ULTRA- LOW NOISE DPSS LASER AT 589nm

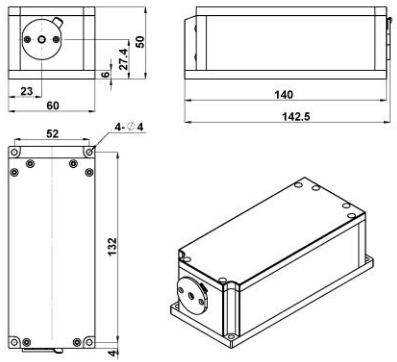
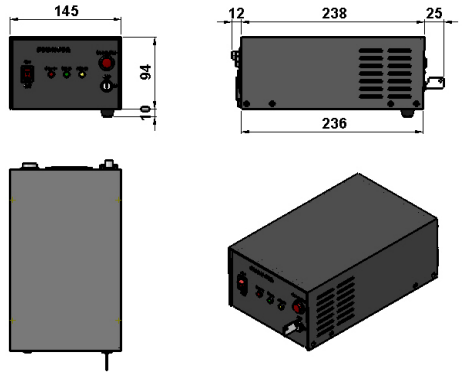
Ultra low noise laser at 589nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	589±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 100	>100, … , 200
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<3%, <5%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.2	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Horizontal±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Base plate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-589	PSU-H-FDA
	
142.5 (L)×60(W) ×50(H) mm^3, 1.0 kg	236(L) ×145(W) ×104(H) mm^3, 2.3 kg

MLL-U-671 /1-500mW

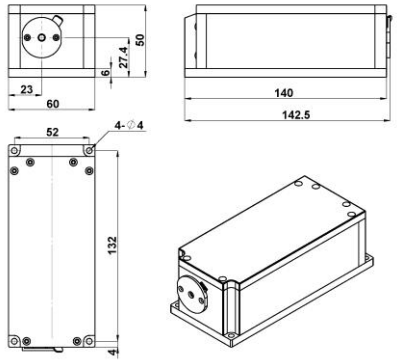
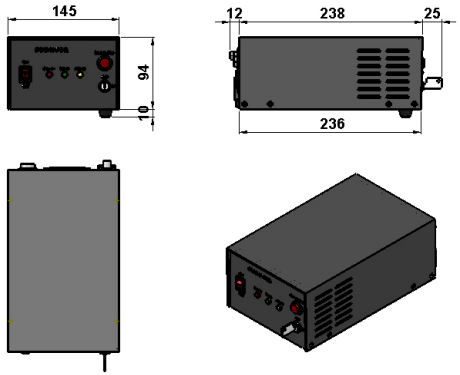
ULTRA- LOW NOISE DPSS LASER AT 671nm

Ultra low noise laser at 671nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	671±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 300	>300, … , 500
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%
Transverse mode	TEM_{00}	
Spectral linewidth (nm)	<0.003	
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	
M^2 factor	<1.2	
Beam diameter at the aperture ($1/e^2$, mm)	0.70±0.05	
Beam divergence (mrad)	<1.5	
Polarization Ratio	>100:1, Horizontal ±5 degree	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Laser head consumption(W)	15 (typical) , <25 (40℃)	
Max. Laser Head Base plate Temp (℃)	50	
Operating Temperature (℃)	10-40	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.

MLL-U-671	PSU-H-FDA
	
142.5 (L)×60(W) ×50(H) mm³, 1.0 kg	**236(L) ×145(W) ×104(H) mm³, 2.3 kg**

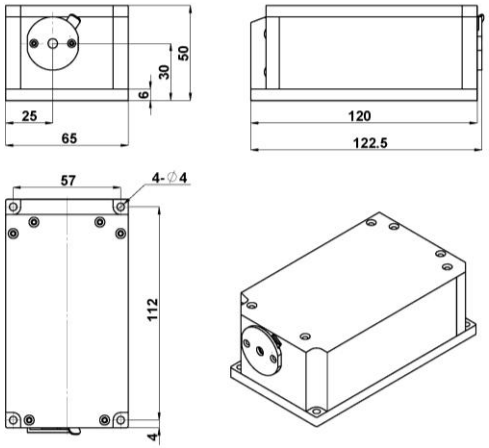
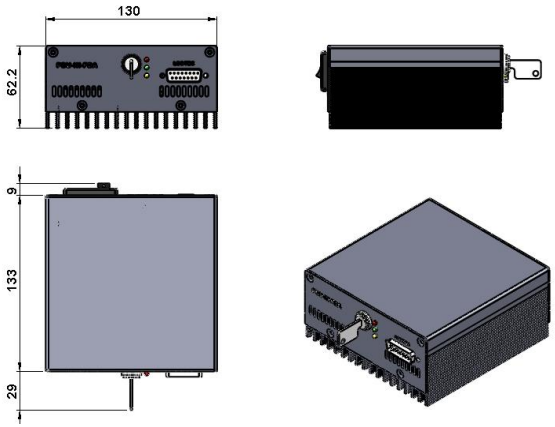
MDL-E-1060/1~40mW

NARROW LINEWIDTH DIODE LASER AT 1060nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	1060±10
Operating mode	CW
Output power (mW)	>1, 2, 3, …,40
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-1060	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

MDL-E-375/1~20mW

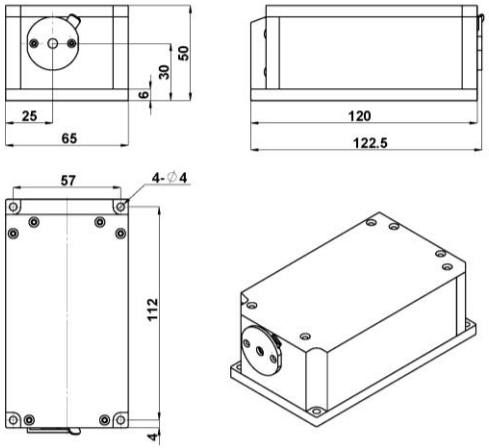
NARROW LINEWIDTH DIODE LASER AT 375nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

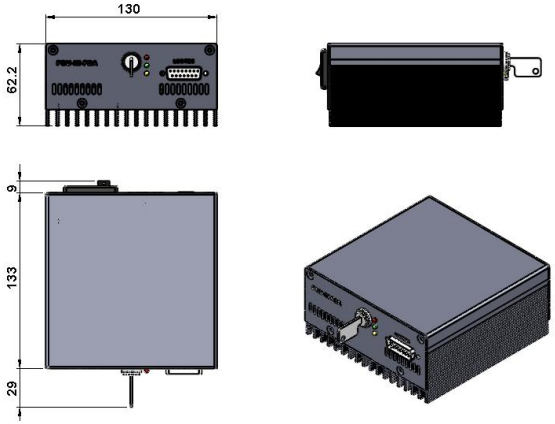
Central wavelength (nm)	375±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,20
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<0.5
Polarization ratio	>10:1 (>50:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-375



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

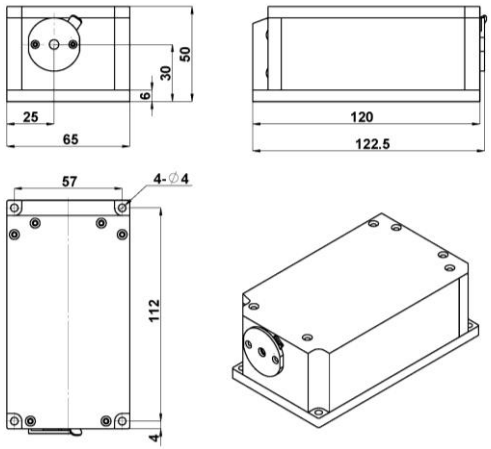
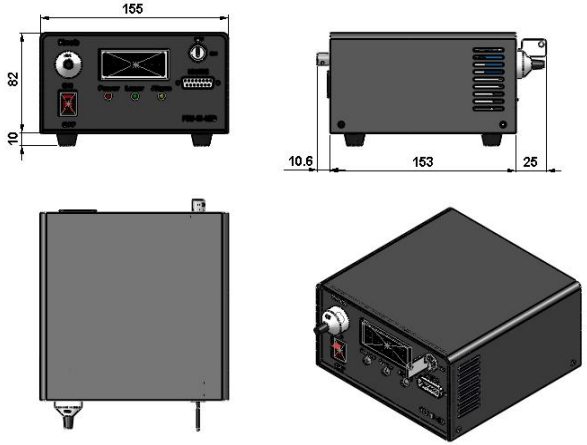
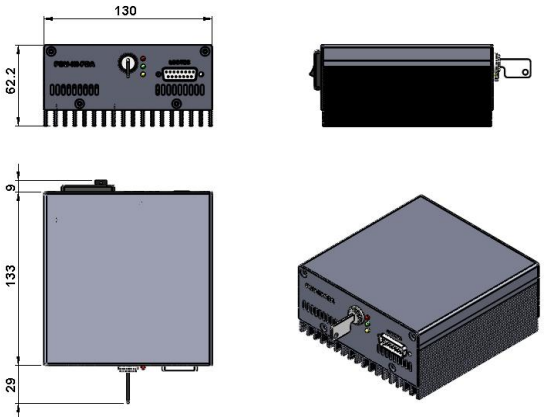
MDL-E-400/1~50mW

NARROW LINEWIDTH DIODE LASER AT 400nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	400±1
Operating mode	CW
Output power (mW)	>1, 10, 20,…,50
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~1.3
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-400	PSU-III-LED	PSU-III-FDA
		
122.5(L)×65(W) ×50(H) mm^3, 1.0kg	**188.6 (L) ×155(W) ×92 (H) mm^3, 1.5kg**	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

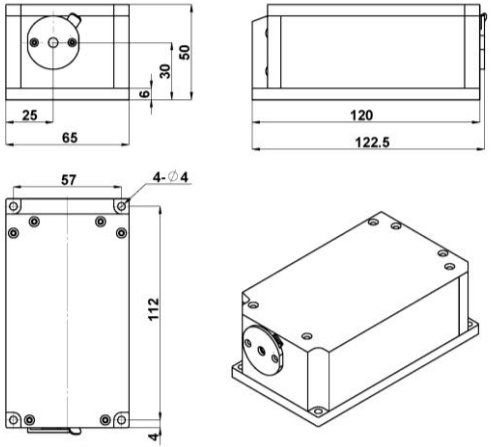
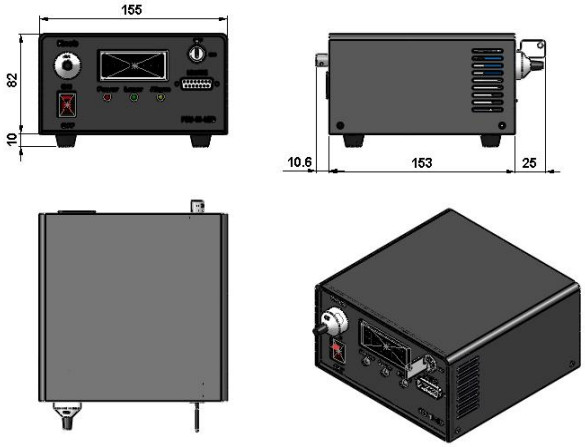
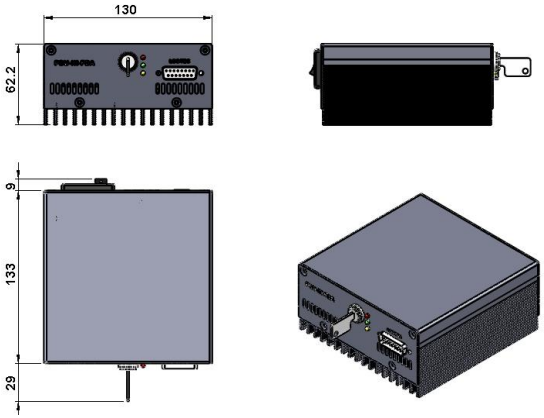
MDL-E-405/1~150mW

NARROW LINEWIDTH DIODE LASER AT 405nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	405±1
Operating mode	CW
Output power (mW)	>1, 10, 50,…,150
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~1.3
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-405	PSU-III-LED	PSU-III-FDA
		
122.5(L)×65(W) ×50(H) mm³, 1.0kg	**188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg**	**171(L) ×130(W) ×62.2 (H) mm³, 1.2kg**

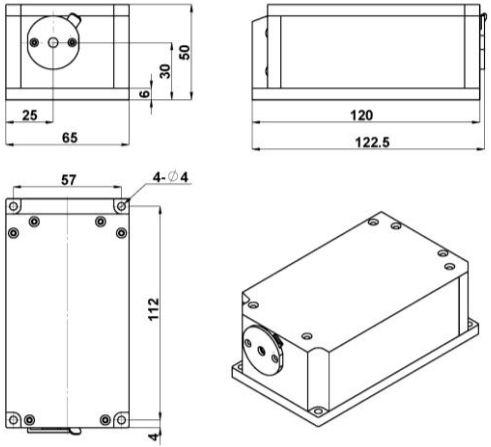
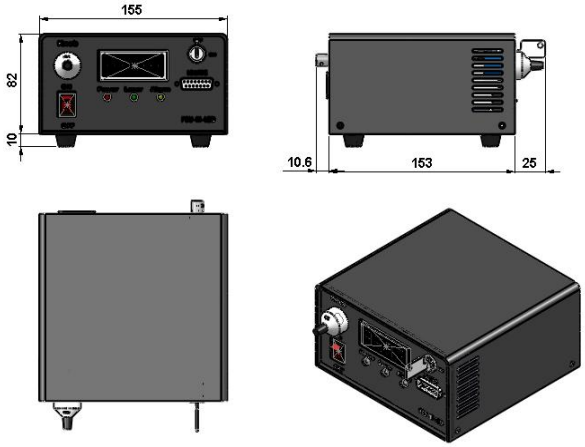
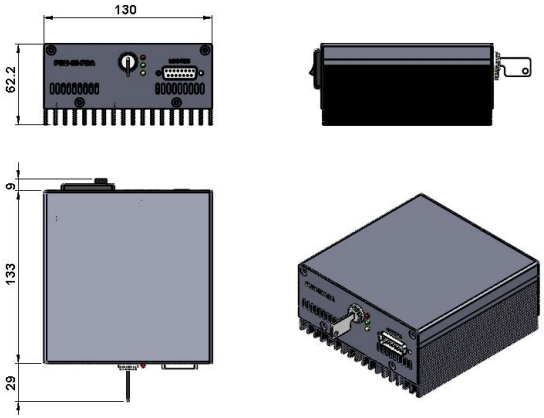
MDL-E-410/1~150mW

NARROW LINEWIDTH DIODE LASER AT 410nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	410±1
Operating mode	CW
Output power (mW)	>1, 10, 50,…,150
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~1.3
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-410	PSU-III-LED	PSU-III-FDA
		
122.5(L)×65(W) ×50(H) mm^3, 1.0kg	**188.6 (L) ×155(W) ×92 (H) mm^3, 1.5kg**	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

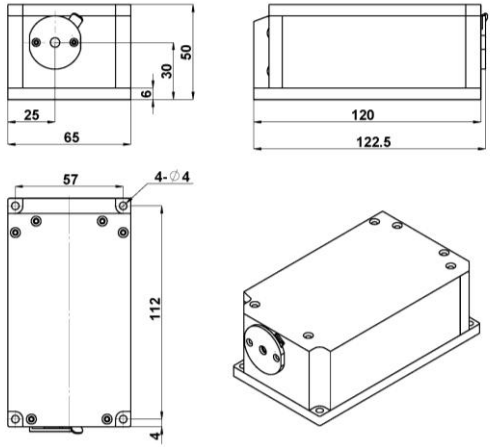
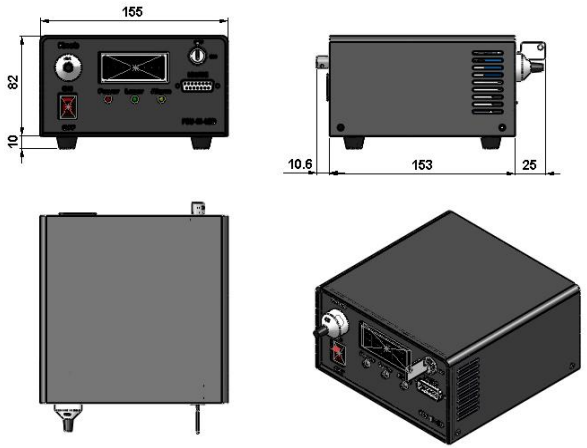
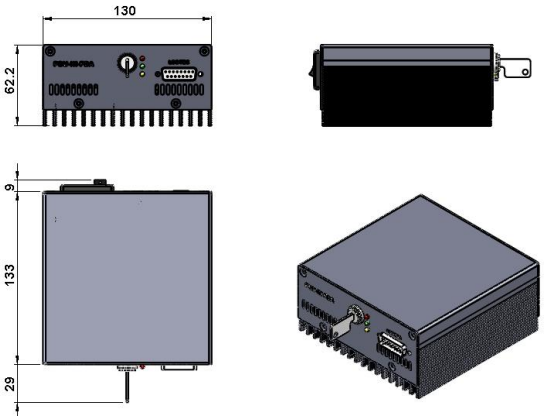
MDL-E-415/1~150mW

NARROW LINEWIDTH DIODE LASER AT 415nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	415±1
Operating mode	CW
Output power (mW)	>1, 10, 50,…,150
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~1.3
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-415	PSU-III-LED	PSU-III-FDA
		
122.5(L)×65(W) ×50(H) mm^3, 1.0kg	**188.6 (L) ×155(W) ×92 (H) mm^3, 1.5kg**	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

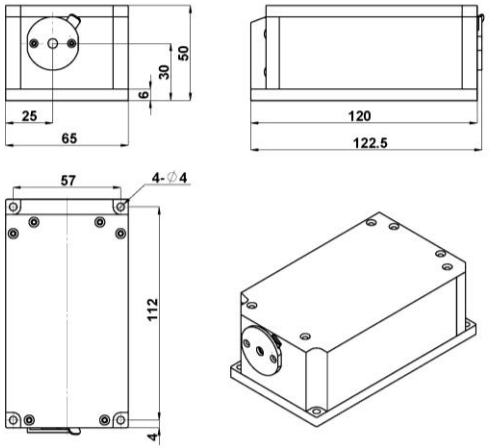
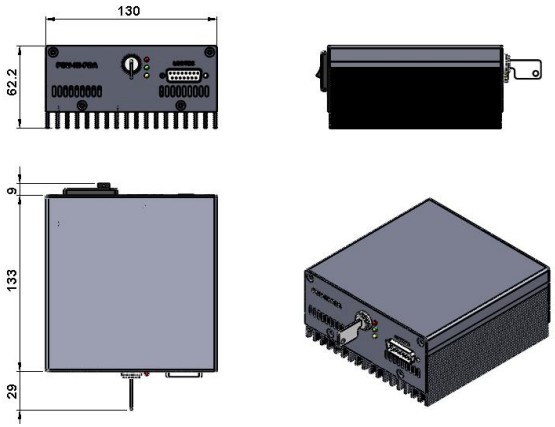
MDL-E-442/1~30mW

NARROW LINEWIDTH DIODE LASER AT 442nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	442±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Multimode
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~2.5×1.0
Beam divergence, full angle (mrad)	~0.5×4.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-442	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm³, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm³, 1.2kg**

MDL-E-445/1~30mW

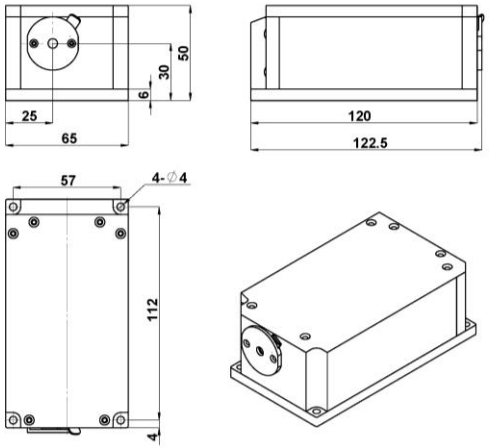
NARROW LINEWIDTH DIODE LASER AT 445nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

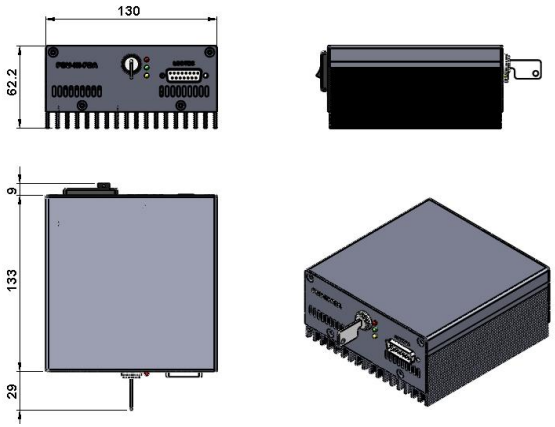
Central wavelength (nm)	445±1
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-445



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

MDL-E-447/1~30mW

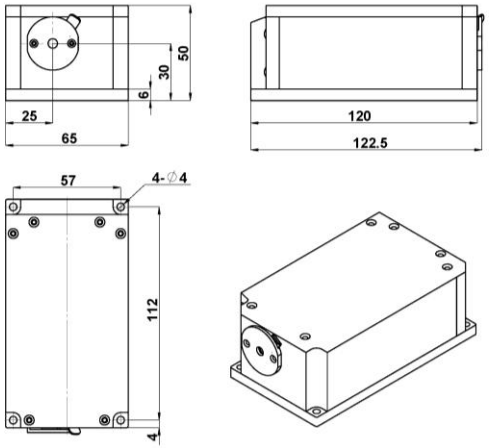
NARROW LINEWIDTH DIODE LASER AT 447nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

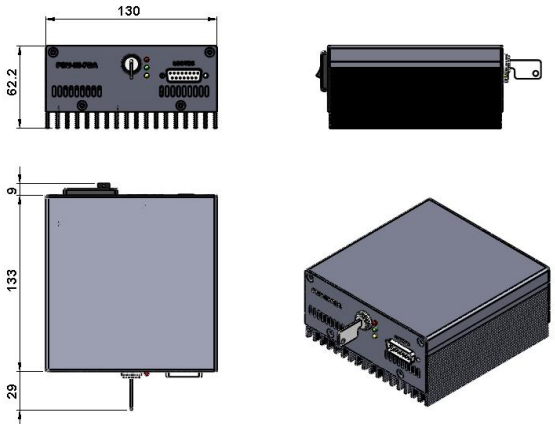
Central wavelength (nm)	447±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-447



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-450/1~30mW

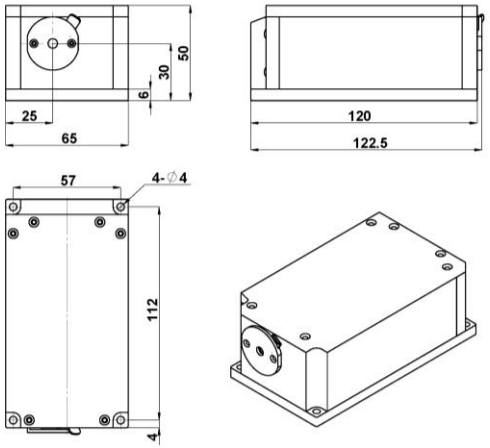
NARROW LINEWIDTH DIODE LASER AT 450nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

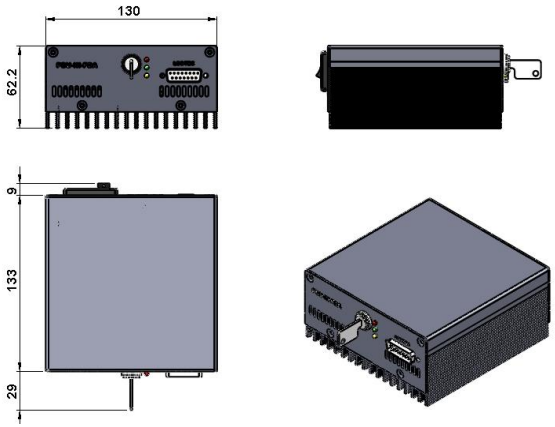
Central wavelength (nm)	450±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-450



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

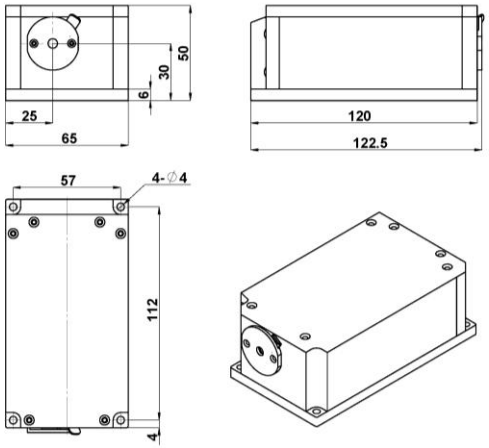
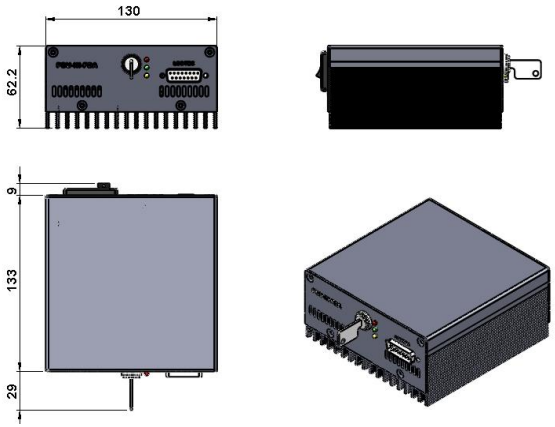
MDL-E-454/1~30mW

NARROW LINEWIDTH DIODE LASER AT 454nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	454±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-454	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm³, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm³, 1.2kg**

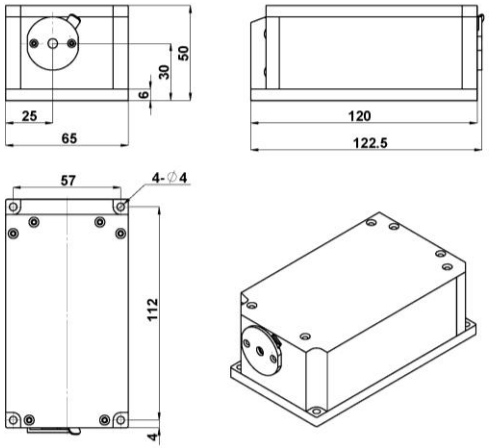
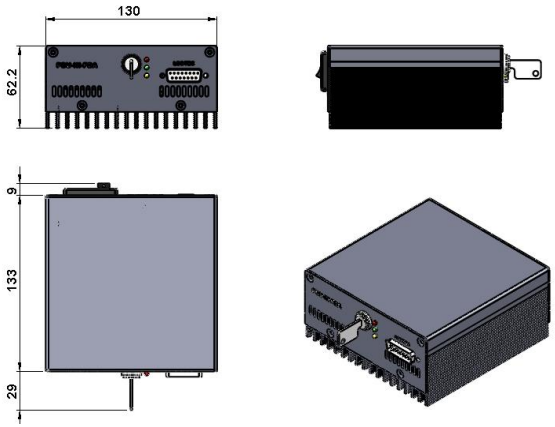
MDL-E-460/1~100mW

NARROW LINEWIDTH DIODE LASER AT 460nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	460±5
Operating mode	CW
Output power (mW)	>1, 10, 20, …,100
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Multimode
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	<2×5
Beam divergence, full angle (mrad)	<2.5×0.2
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-460	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm³, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm³, 1.2kg**

MDL-E-488/1~70mW

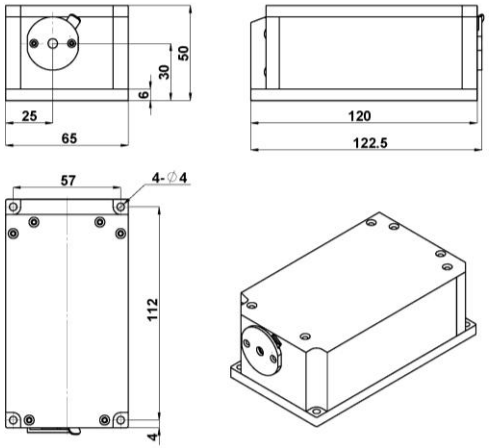
NARROW LINEWIDTH DIODE LASER AT 488nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

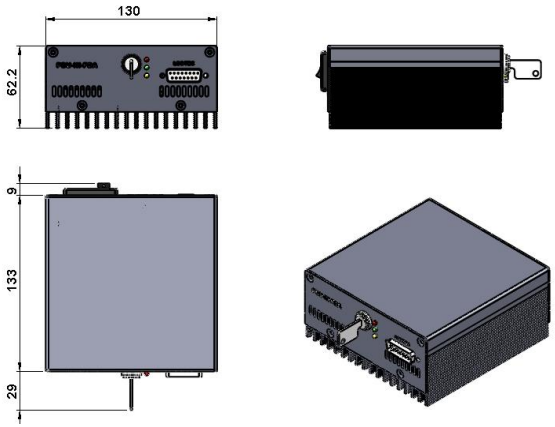
Central wavelength (nm)	488±0.5	
Operating mode	CW	
Output power (mW)	>1, 5, 10, …,30	>30, 40, …,70
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Near TEM_{00}	
Spectral linewidth (nm)	<0.06 (<0.03, optional)	
M^2 factor	<1.5	
Beam diameter at the aperture ($1/e^2$,mm)	~2.0	
Beam divergence, full angle (mrad)	~1.5	
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	30	
Operating temperature (℃)	20~30	
Power supply (85-264VAC)	PSU-III-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	

MDL-E-488



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-514.5/1~40mW

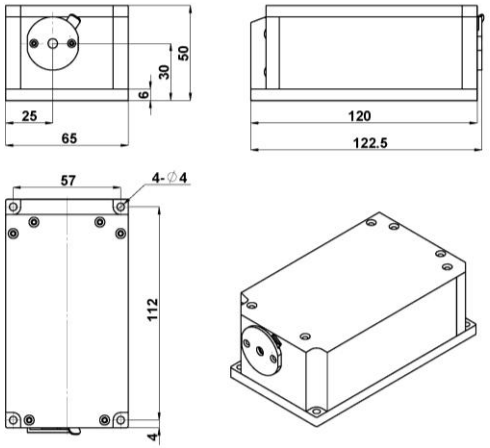
NARROW LINEWIDTH DIODE LASER AT 514.5 nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

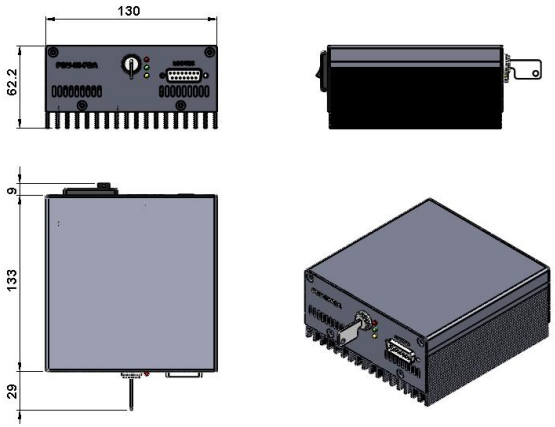
Central wavelength (nm)	514.5±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,40
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~2.5
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-514.5



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-520/1~10mW

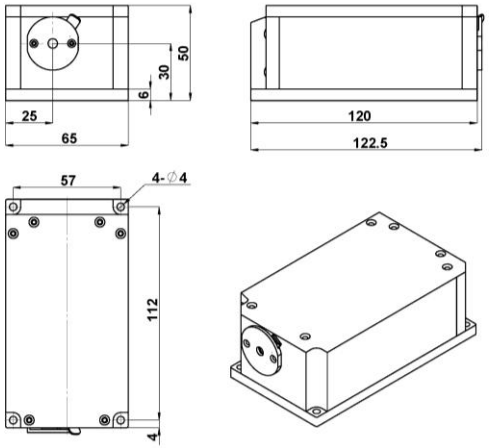
NARROW LINEWIDTH DIODE LASER AT 520 nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

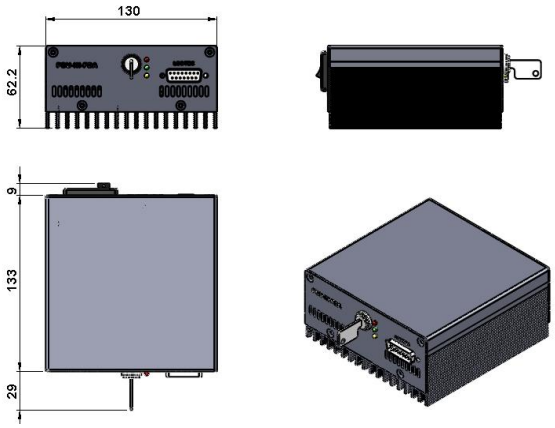
Central wavelength (nm)	520±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,10
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-520



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

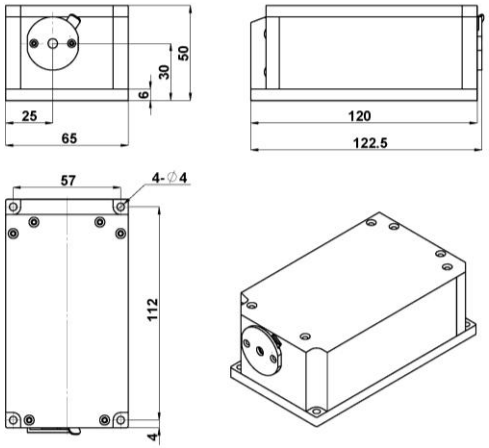
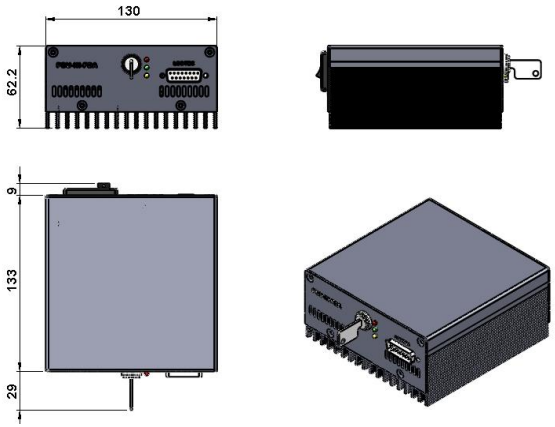
MDL-E-633/1~200mW

NARROW LINEWIDTH DIODE LASER AT 633nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	633±0.5
Operating mode	CW
Output power (mW)	>1, 10, 50, …,200
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Multimode
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~3.5×1.0
Beam divergence, full angle (mrad)	~2.5×1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-633	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm³, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm³, 1.2kg**

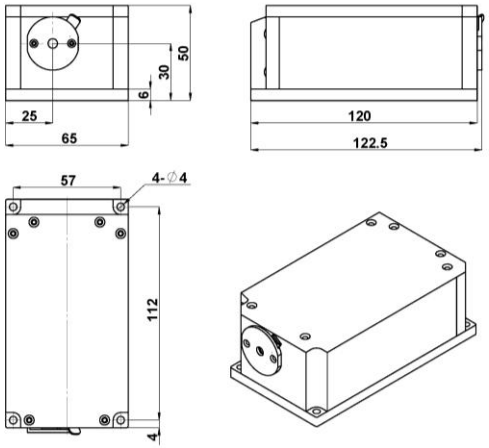
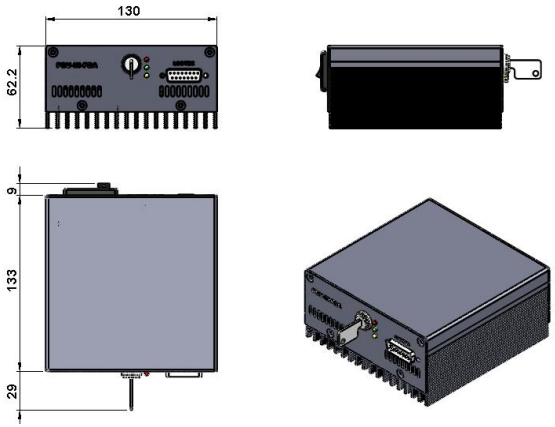
MDL-E-635/1~30mW

NARROW LINEWIDTH DIODE LASER AT 635nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	635±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-635	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

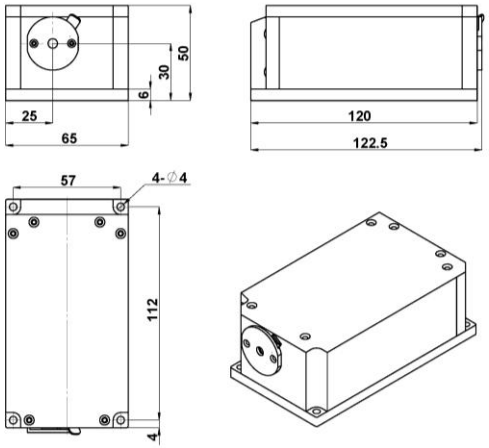
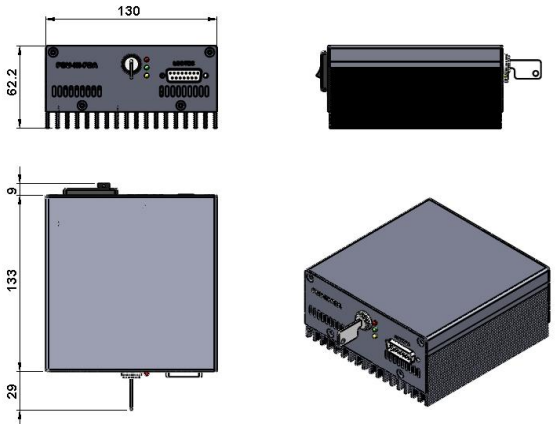
MDL-E-637/1~80mW

NARROW LINEWIDTH DIODE LASER AT 637nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	637±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,80
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-637	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm³, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm³, 1.2kg**

MDL-E-640/1~30mW

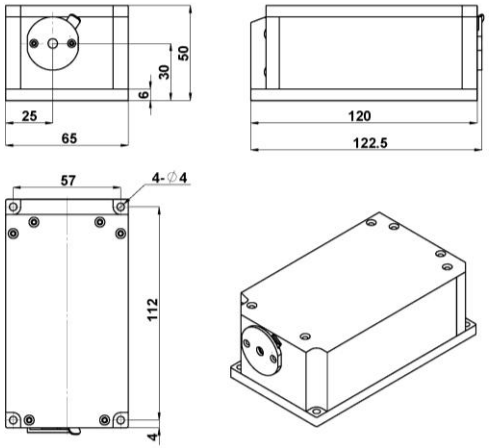
NARROW LINEWIDTH DIODE LASER AT 640nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

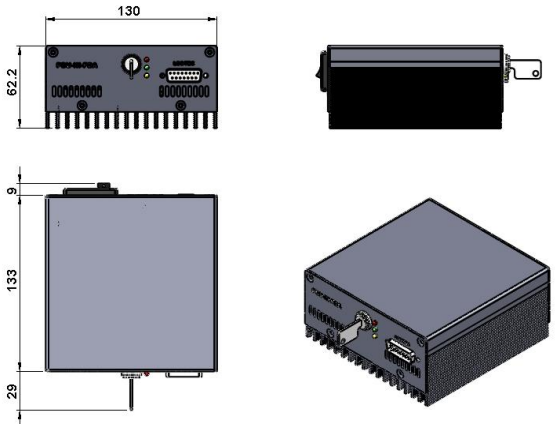
Central wavelength (nm)	640±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-640



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

MDL-E-642/1~30mW

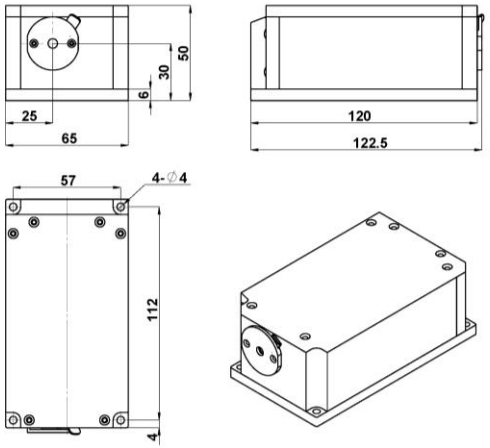
NARROW LINEWIDTH DIODE LASER AT 642nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

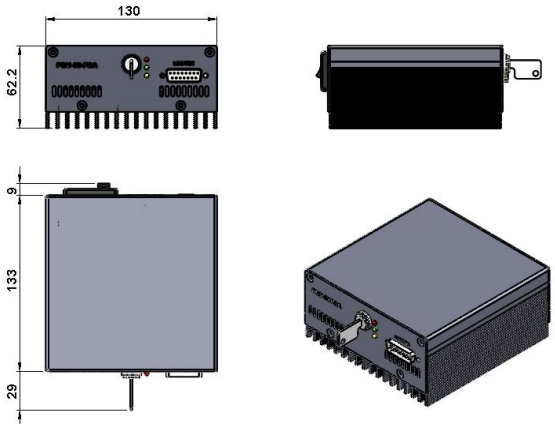
Central wavelength (nm)	642±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-642



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

MDL-E-650/1~30mW

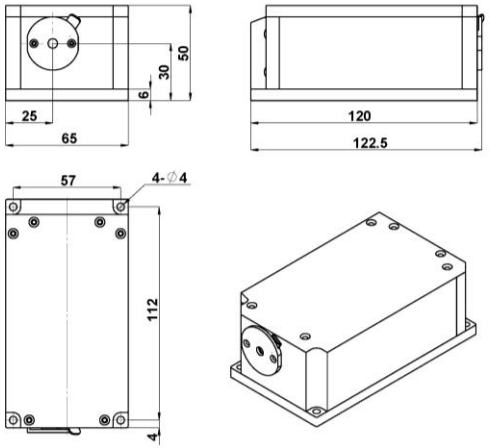
NARROW LINEWIDTH DIODE LASER AT 650nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

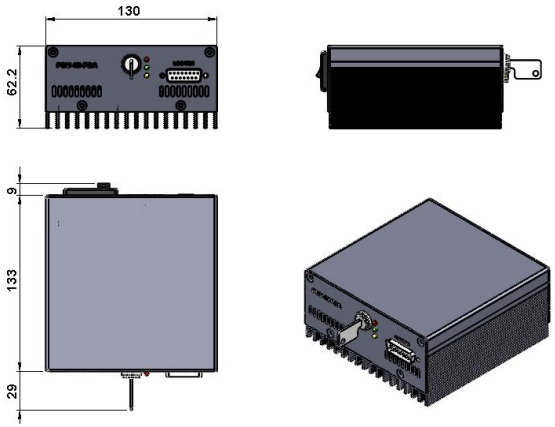
Central wavelength (nm)	650±10
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-650



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-655/1~30mW

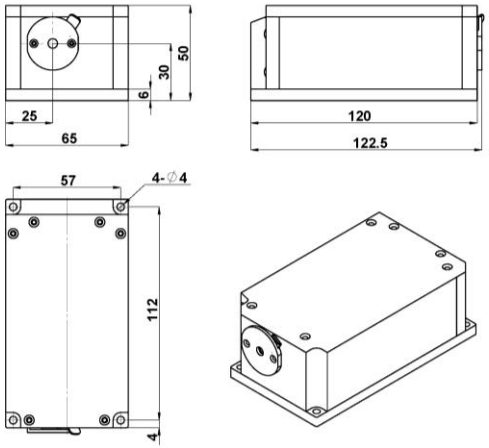
NARROW LINEWIDTH DIODE LASER AT 655nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

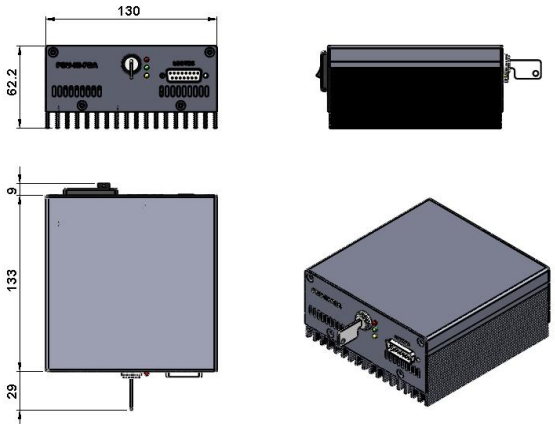
Central wavelength (nm)	655±10
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-655



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

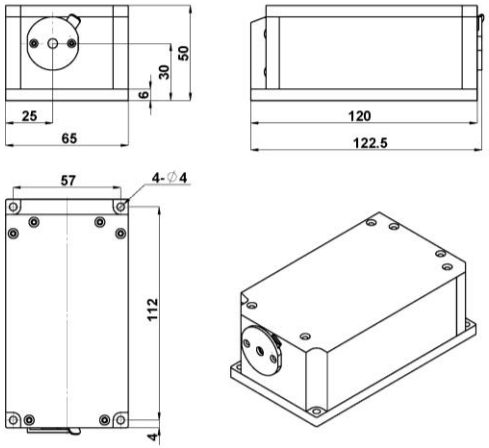
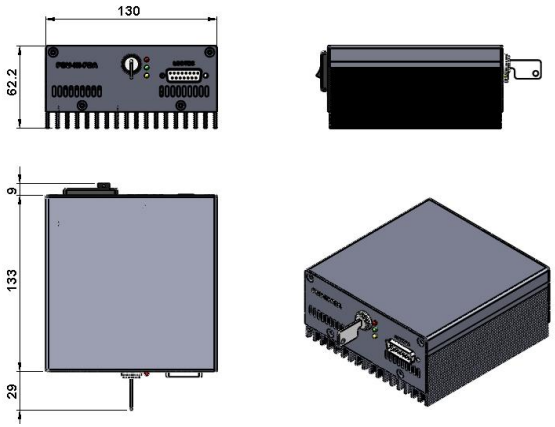
MDL-E-660/1~120mW

NARROW LINEWIDTH DIODE LASER AT 660nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	660±0.5
Operating mode	CW
Output power (mW)	>1, 10, 20, …,120
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~1.0
Beam divergence, full angle (mrad)	~1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-660	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

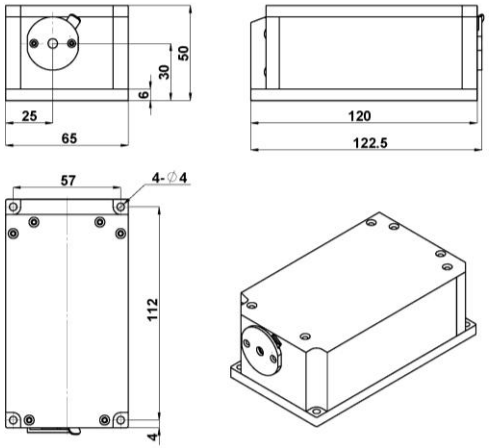
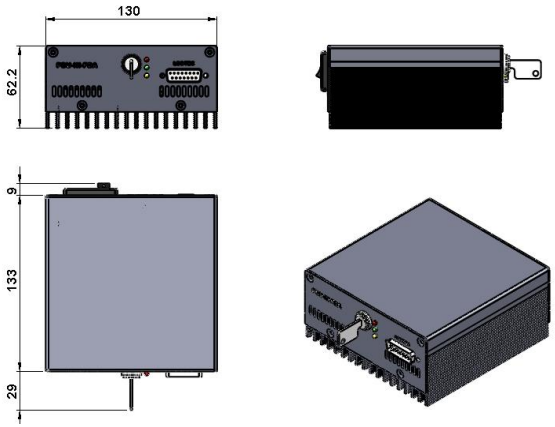
MDL-E-705/1~10mW

NARROW LINEWIDTH DIODE LASER AT 705 nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	705±10
Operating mode	CW
Output power (mW)	>1, 2, 3, …,10
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture (1/e^2,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-705	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

MDL-E-730/1~10mW

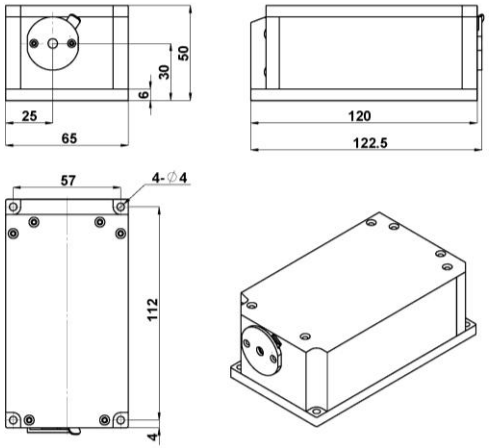
NARROW LINEWIDTH DIODE LASER AT 730nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

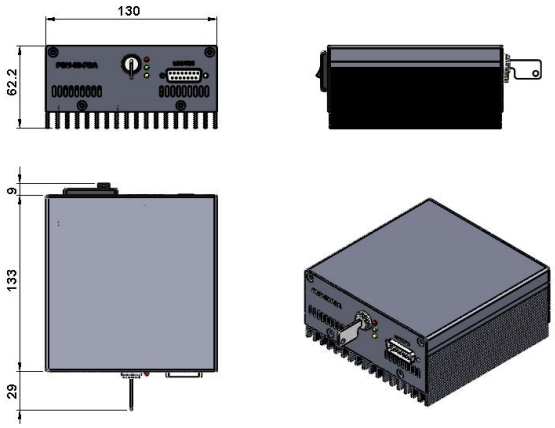
Central wavelength (nm)	730±3
Operating mode	CW
Output power (mW)	>1, 2, 3, …,10
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture (1/e^2,mm)	~2.0
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-730



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

MDL-E-785/1~20mW

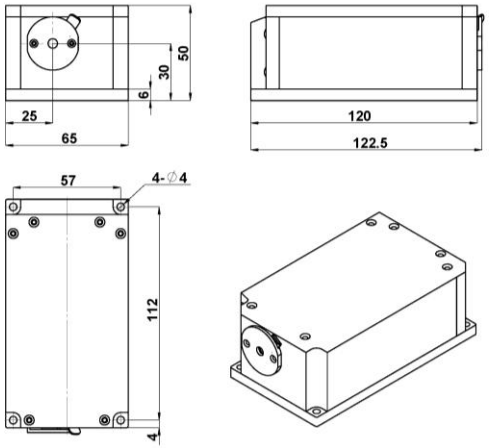
NARROW LINEWIDTH DIODE LASER AT 785nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

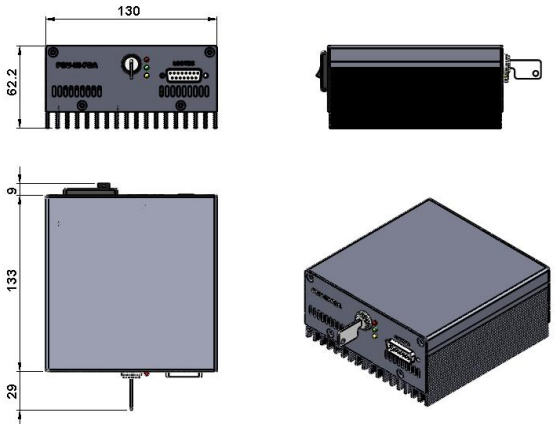
Central wavelength (nm)	785±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,20
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~2.0
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-785



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-808/1~20mW

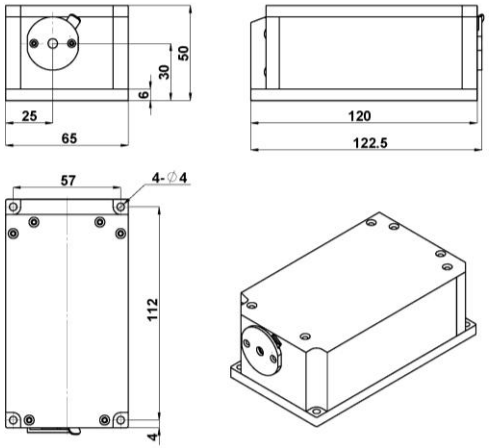
NARROW LINEWIDTH DIODE LASER AT 808nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

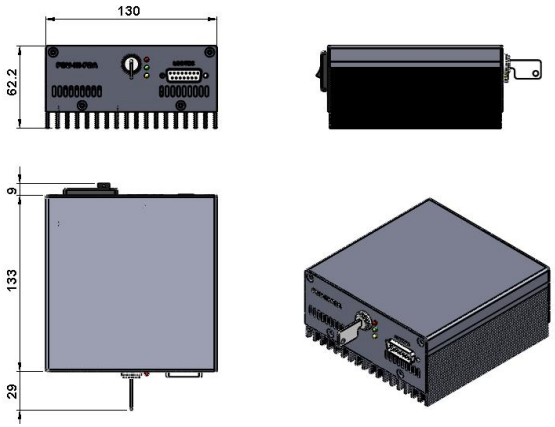
Central wavelength (nm)	808±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,20
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-808



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-830/1~30mW

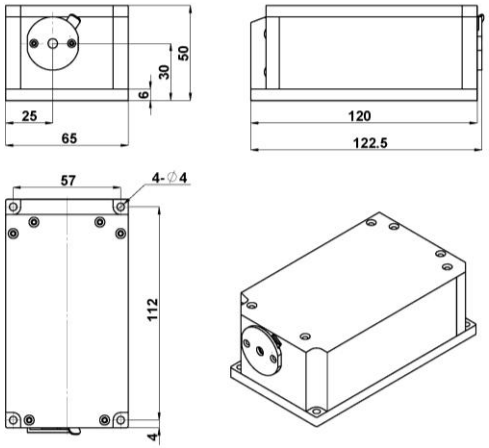
NARROW LINEWIDTH DIODE LASER AT 830nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

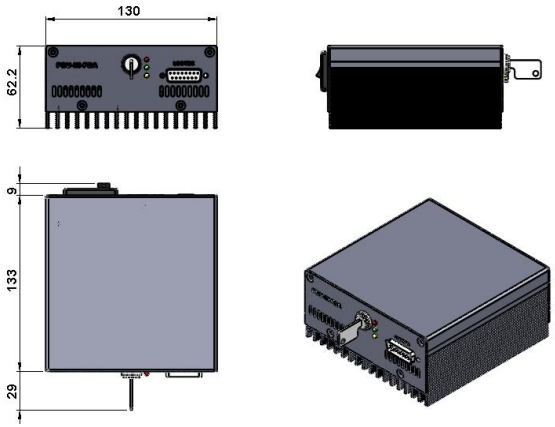
Central wavelength (nm)	830±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-830



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

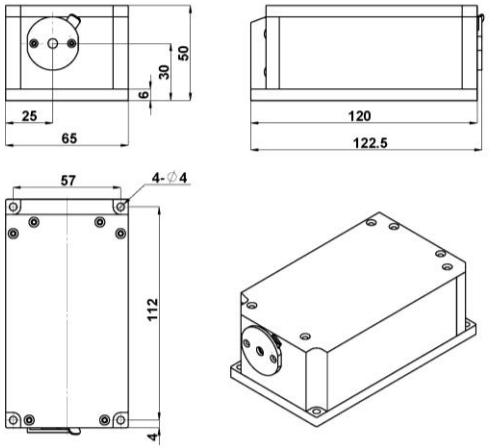
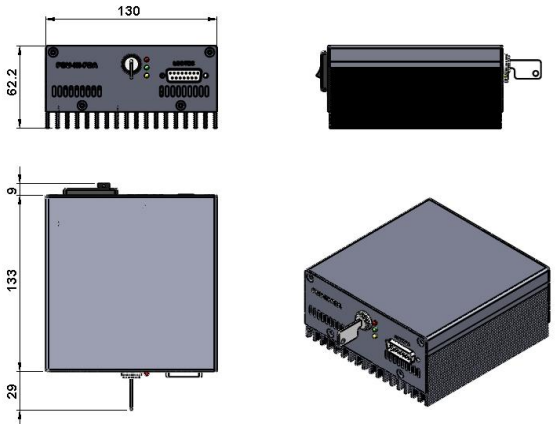
MDL-E-915/1~30mW

NARROW LINEWIDTH DIODE LASER AT 915nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	915±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-915	PSU-III-FDA
	
122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg	**171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg**

MDL-E-940/1~30mW

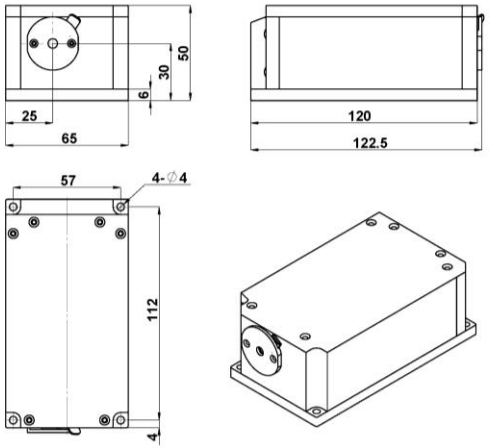
NARROW LINEWIDTH DIODE LASER AT 940nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

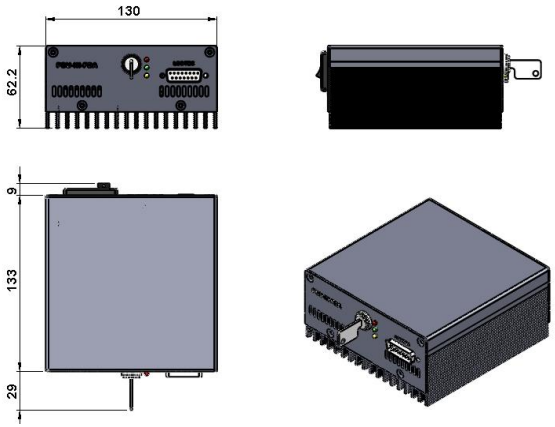
Central wavelength (nm)	940±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-940



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

MDL-E-975/1~30mW

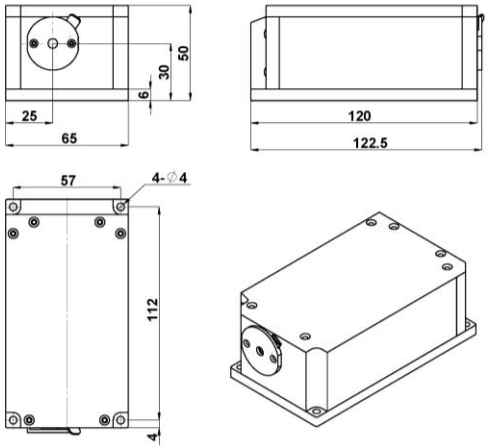
NARROW LINEWIDTH DIODE LASER AT 975nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

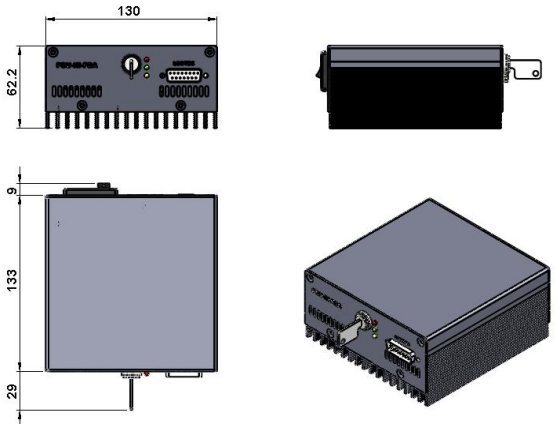
Central wavelength (nm)	975±5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
M^2 factor	<1.5
Beam diameter at the aperture ($1/e^2$,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>10:1 (>50:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-975



122.5(L) ×65(W) ×50 (H) mm³, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm³, 1.2kg

MDL-E-980/1~30mW

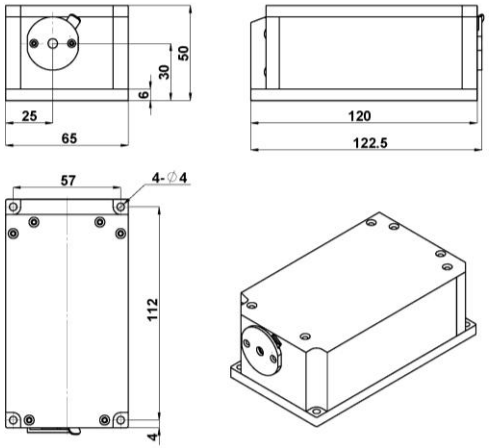
NARROW LINEWIDTH DIODE LASER AT 980nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

SPECIFICATIONS

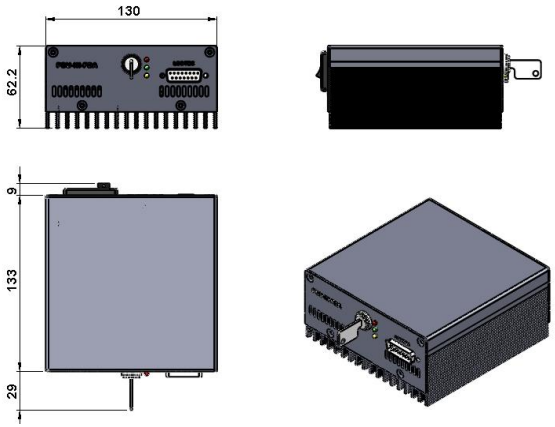
Central wavelength (nm)	980±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, …,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM_{00}
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture ($1/e^2$,mm)	~2.5
Beam divergence, full angle (mrad)	~2.5
Polarization ratio	>10:1 (>50:1, optional) Horizontal ±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (℃)	20~30
Power supply (85-264VAC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

MDL-E-980



122.5(L) ×65(W) ×50 (H) mm^3, 1.0kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg