

Er-doped Glass Laser Module

LM-1535-PXXX-A1

Product Description:

Erbium glass laser is independently developed for human eye safety rangefinder field. It is positioned as autonomous and controllable, with both reliability and cost-effective characteristics. The semiconductor pump source produced by Lumispot Tech is integrated with advanced erbium glass crystal.



- Laser Ranging
- LIDAR
- Laser Communication

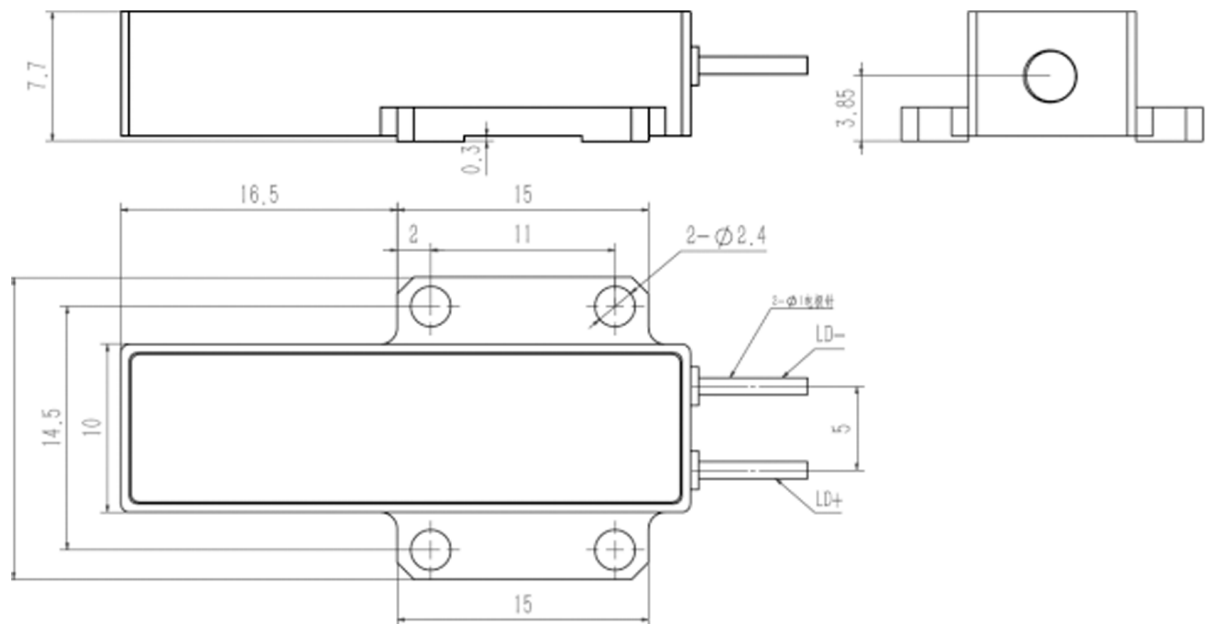
Technical Data

Optical	Unit	LM-1535-P100-A1	LM-1535-P200-A1	LM-1535-P300-A1	LM-1535-P400-A1	LM-1535-P500-A1
Wavelength	nm	1535				
Pulsed width (FWHM)	ns	3-6	3-6	3-6	3-6	4-6
Plused energy	uJ	100	200	300	400	500
Peak power	KW	25	50	70	80	100
Energy stability	%	≤5	≤5	≤5	≤5	≤5
Deam-divergence angle	mrad	≤12	≤12	≤12	≤12	≤12

Electricity						
Working voltage	V	2	2	2	2	2
Working current	A	7	12	12	14	15
Working frequency	Hz	1-10	1-10	1-10	1-10	1-15
Pulsed width	ms	1.0-2.5	1.0-2.5	1.0-2.5	1.0-2.5	1.0-2.5

Environment						
Working temperature	°C	-40-60	-40-60	-40-60	-40-60	-40-60
Storage temperature	°C	-50-70	-50-70	-50-70	-50-70	-50-70
Life time	times	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Weight	g	<10	<10	<10	<10	<10

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities



Er-doped Glass Laser Module

LM-1535-PXXX-A3

Product Description:

Erbium glass laser is independently developed for human eye safety rangefinder field. It is positioned as autonomous and controllable, with both reliability and cost-effective characteristics. The semiconductor pump source produced by Lumispot Tech is integrated with advanced erbium glass crystal.



- Laser Ranging
- LIDAR
- Laser Communication

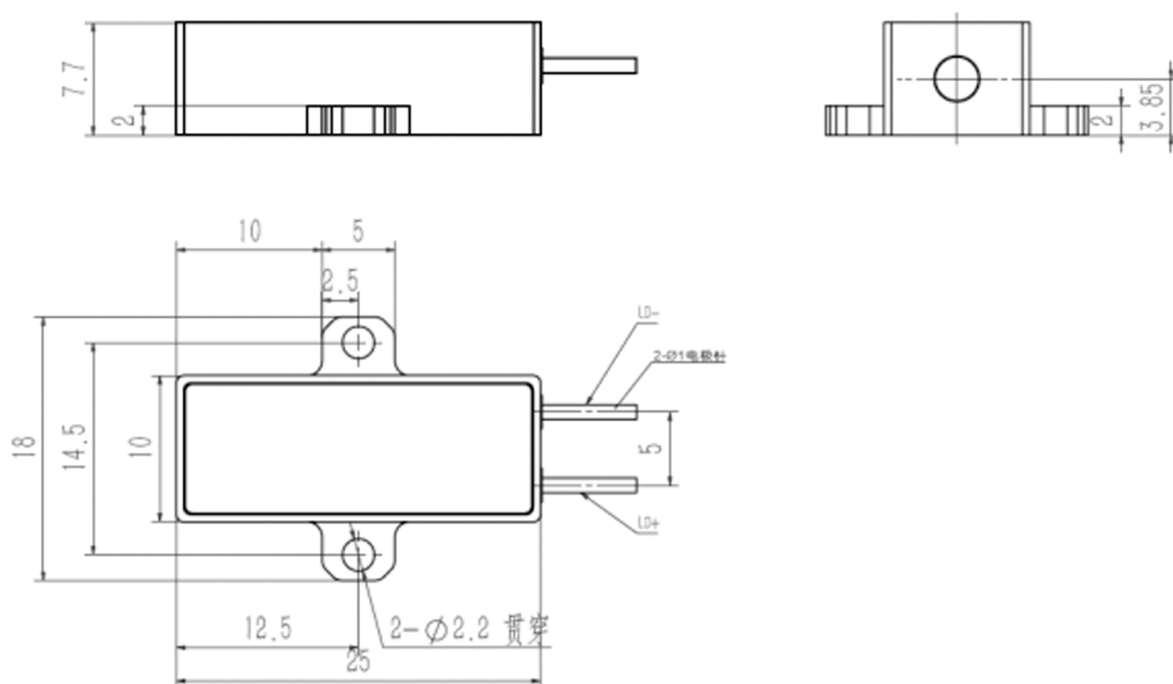
Technical Data

Optical	Unit	LM-1535-P100-A3	LM-1535-P200-A3	LM-1535-P300-A3
Wavelength	nm		1535	
Pulsed width (FWHM)	ns	3-6	3-6	3-6
Plused energy	uJ	100	200	300
Peak power	KW	25	50	70
Energy stability	%	≤5	≤5	≤5
Deam-divergence angle	mrاد	≤12	≤12	≤12

Electricity				
Working voltage	V	2	2	2
Working current	A	7	12	12
Working frequency	Hz	1-10	1-10	1-10
Pulsed width	ms	1.0-2.5	1.0-2.5	1.0-2.5

Environment				
Working temperature	°C	-40-60	-40-60	-40-60
Storage temperature	°C	-50-70	-50-70	-50-70
Life time	times	10,000,000	10,000,000	10,000,000
Weight	g	< 10	< 10	< 10

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities



Er-doped Glass Laser Module

LM-1535-Pxxx-A5-0.5

Product Description:

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- Laser Ranging
- LIDAR
- Laser Communication

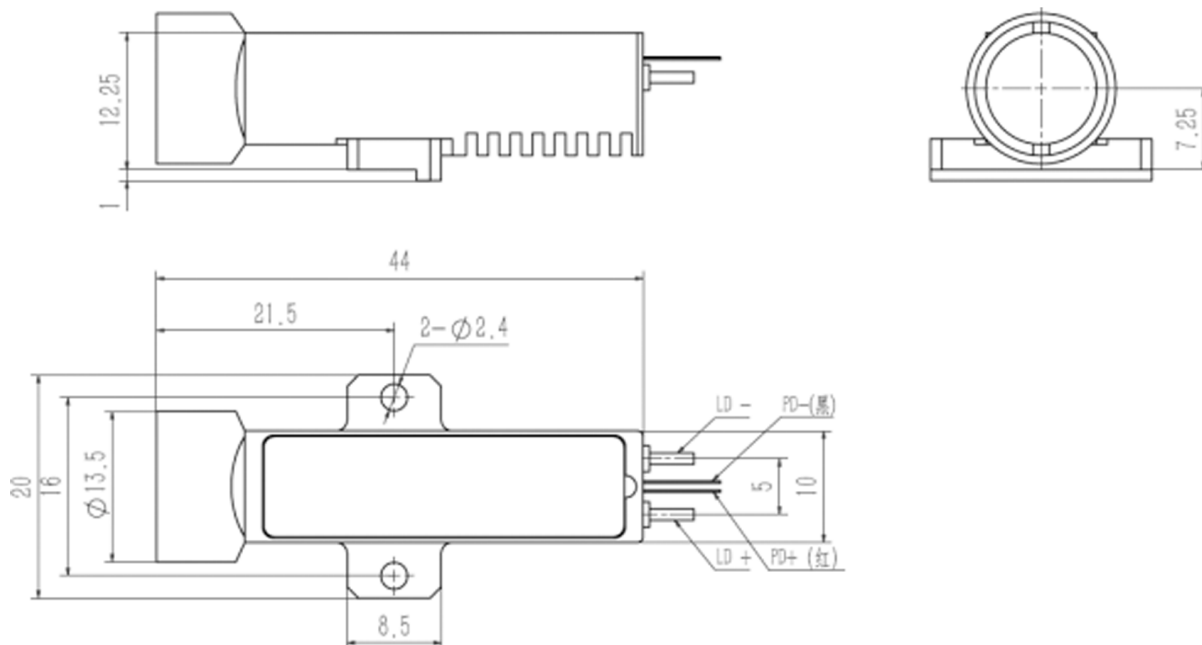
Technical Data

Optical	Unit	LM-1535-P100-A5-0.5	LM-1535-P200-A5-0.5	LM-1535-P300-A5-0.5
Wavelength	nm		1535	
Pulsed width (FWHM)	ns	3-6	3-6	3-6
Plused energy	uJ	100	200	300
Peak power	KW	25	50	70
Energy stability	%	≤5	≤5	≤5
Deam-divergence angle	mrad	≤0.5	≤0.5	≤0.5

Electricity				
Working voltage	V	2	2	2
Working current	A	7	12	12
Working frequency	Hz	1-10	1-10	1-10
Pulsed width	ms	1.0-2.5	1.0-2.5	1.0-2.5

Environment				
Working temperature	°C	-40-60	-40-60	-40-60
Storage temperature	°C	-50-70	-50-70	-50-70
Life time	times	10000000	10000000	10000000
Weight	g	<20	<20	<20

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities

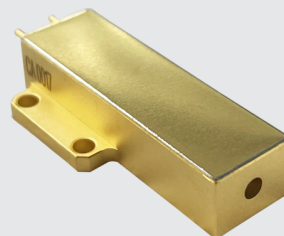


Er-doped Glass Laser Module

LM-1535-PXXX-C1

Product Description:

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- Laser Ranging
- LIDAR
- Laser Communication

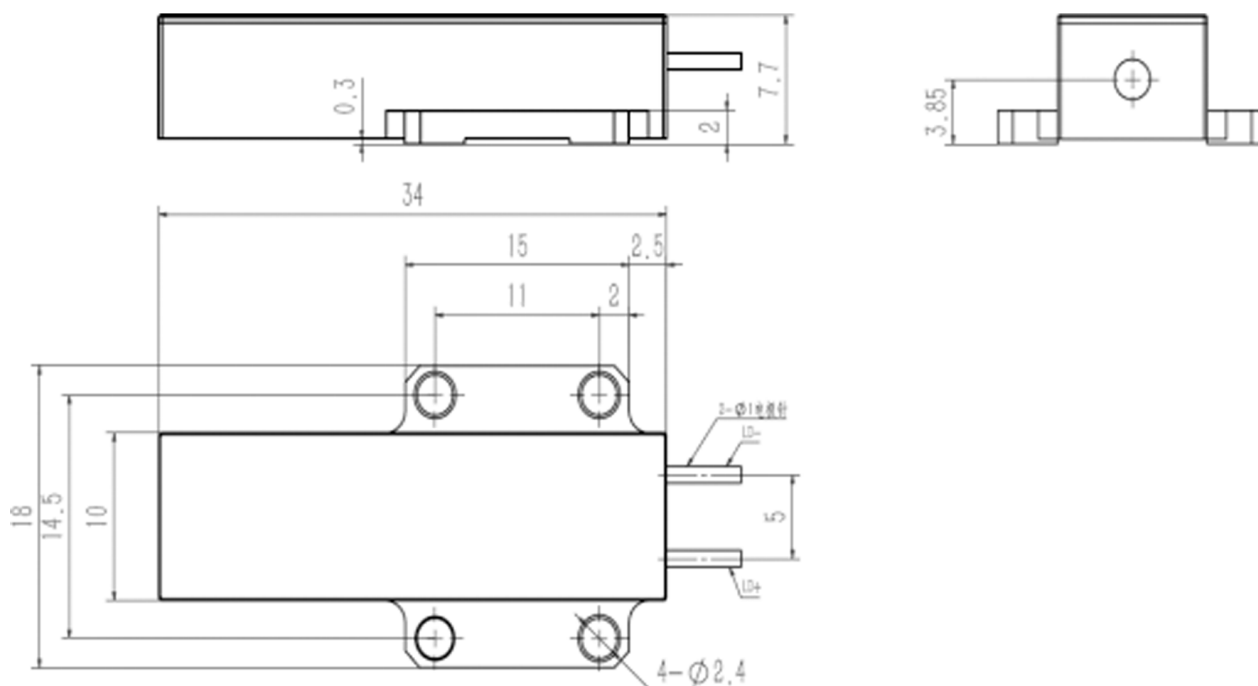
Technical Data

Optical	Unit	LM-1535-P100-C1	LM-1535-P200-C1	LM-1535-P300-C1	LM-1535-P400-C1	LM-1535-P500-C1
Wavelength	nm	1535				
Pulsed width (FWHM)	ns	3-6	3-6	3-6	3-6	4-6
Plused energy	uJ	100	200	300	400	500
Peak power	KW	25	50	70	80	100
Energy stability	%	≤5	≤5	≤5	≤5	≤5
Deam-divergence angle	mrad	≤12	≤12	≤12	≤12	≤12

Electricity						
Working voltage	V	2	2	2	2	2
Working current	A	7	12	12	14	15
Working frequency	Hz	1-10	1-10	1-10	1-10	1-5
Pulsed width	ms	1.0-2.5	1.0-2.5	1.0-2.5	1.0-2.5	1.0-2.5

Environment						
Working temperature	°C	-40-60	-40-60	-40-60	-40-60	-40-60
Storage temperature	°C	-50-70	-50-70	-50-70	-50-70	-50-70
Life time	times	10,000,000	10,000,000	10,000,000	10,000,000	10000000
Weight	g	<20	<20	<20	<20	<20

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities



Er-doped Glass Laser Module

LM-1535-Pxxx-C2

Product Description:

Erbium glass laser is independently developed for human eye safety rangefinder field. It is positioned as autonomous and controllable, with both reliability and cost-effective characteristics. The semiconductor pump source produced by Lumispot Tech is integrated with advanced erbium glass crystal.



- Laser Ranging
- LIDAR
- Laser Communication

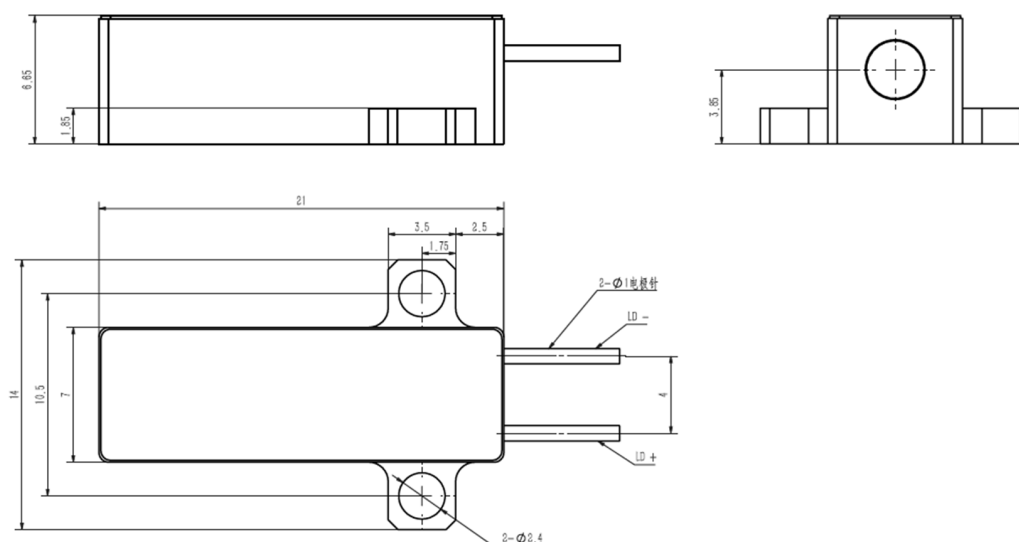
Technical Data

Optical		Unit	LM-1535-P40-C2
Wavelength		nm	1535
Pulsed width (FWHM)		ns	3-5
Plused energy		uJ	40
Peak power		KW	10
Energy stability		%	≤5
Deam-divergence angle		mrad	≤15

Electricity		
Working voltage	V	2
Working current	A	3
Working frequency	Hz	1000
Pulsed width	ms	0.2-0.4

Environment		
Working temperature	°C	-40-60
Storage temperature	°C	-50-70
Life time	times	10000000
Weight	g	< 10

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities

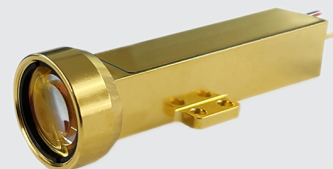


Er-doped Glass Laser Module

LM-1535-Pxxx-C7-0.5

Product Description:

Erbium glass laser is independently developed for human eye safety rangefinder field. It is positioned as autonomous and controllable, with both reliability and cost-effective characteristics. The semiconductor pump source produced by Lumispot Tech is integrated with advanced erbium glass crystal.



- Laser Ranging
- LIDAR
- Laser Communication

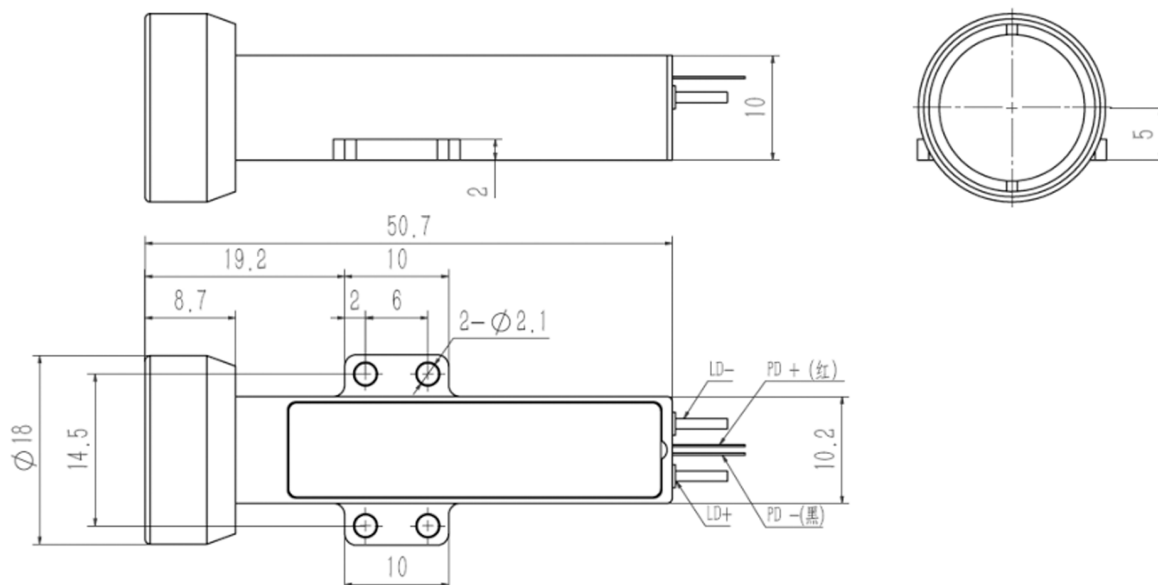
Technical Data

Optical	Unit	LM-1535-P40-C7-0.5
Wavelength	nm	1535
Pulsed width (FWHM)	ns	3-5
Plused energy	uJ	40
Peak power	KW	10
Energy stability	%	≤5
Deam-divergence angle	mrad	≤0.5

Electricity		
Working voltage	V	2
Working current	A	3
Working frequency	Hz	1000
Pulsed width	ms	0.2-0.4

Environment		
Working temperature	°C	-40-60
Storage temperature	°C	-50-70
Life time	times	10000000
Weight	g	<30

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities

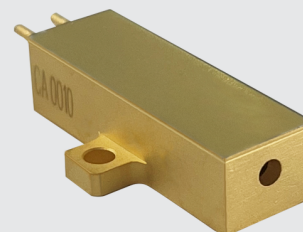


Er-doped Glass Laser Module

LM-1535-PXXX-C9

Product Description:

Erbium glass laser is independently developed for human eye safety rangefinder field. It is positioned as autonomous and controllable, with both reliability and cost-effective characteristics. The semiconductor pump source produced by Lumispot Tech is integrated with advanced erbium glass crystal.



- Laser Ranging
- LIDAR
- Laser Communication

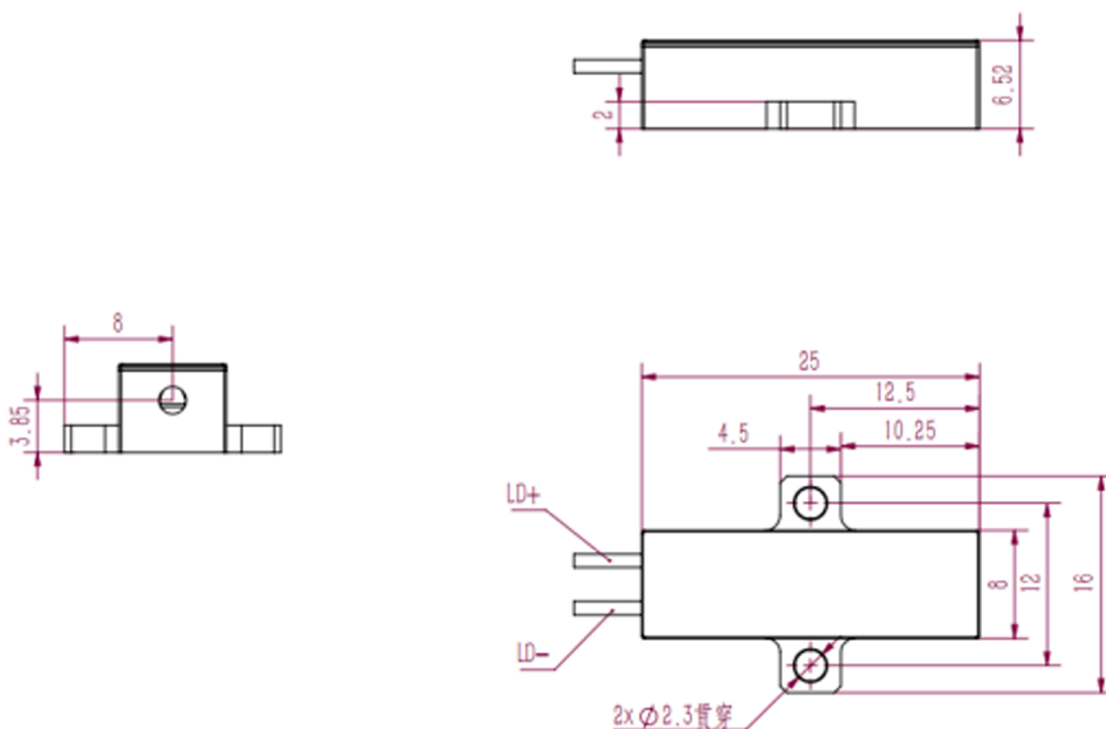
Technical Data

Optical	Unit	LM-1535-P100-C9	LM-1535-P200-C9	LM-1535-P300-C9
Wavelength	nm		1535	
Pulsed width (FWHM)	ns	3-5	3-5	3-5
Plused energy	uJ	100	200	300
Peak power	KW	25	50	70
Energy stability	%	≤5	≤5	≤5
Deam-divergence angle	mrad	≤0.5	≤0.5	≤0.5

Electricity				
Working voltage	V	2	2	2
Working current	A	7	12	12
Working frequency	Hz	1-20	1-20	1-20
Pulsed width	ms	1.0-2.5	1.0-2.5	1.0-2.5

Environment				
Working temperature	°C	-50-70	-50-70	-50-70
Storage temperature	°C	-55-75	-55-75	-55-75
Life time	times	10000000	10000000	10000000
Weight	g	< 15	< 15	< 15

Product Dimension



Size in mm

Special Note

1. Anti-static measures must be taken during transportation, storage and use.
2. Laser diode pins need to be connected to a short route protection.
3. Use constant current power supply to avoid peak and surge during operation.
4. Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
5. Laser work to ensure reliable installation.
6. Laser window to ensure clean and pollution-free, so as not to cause light abnormalities

