



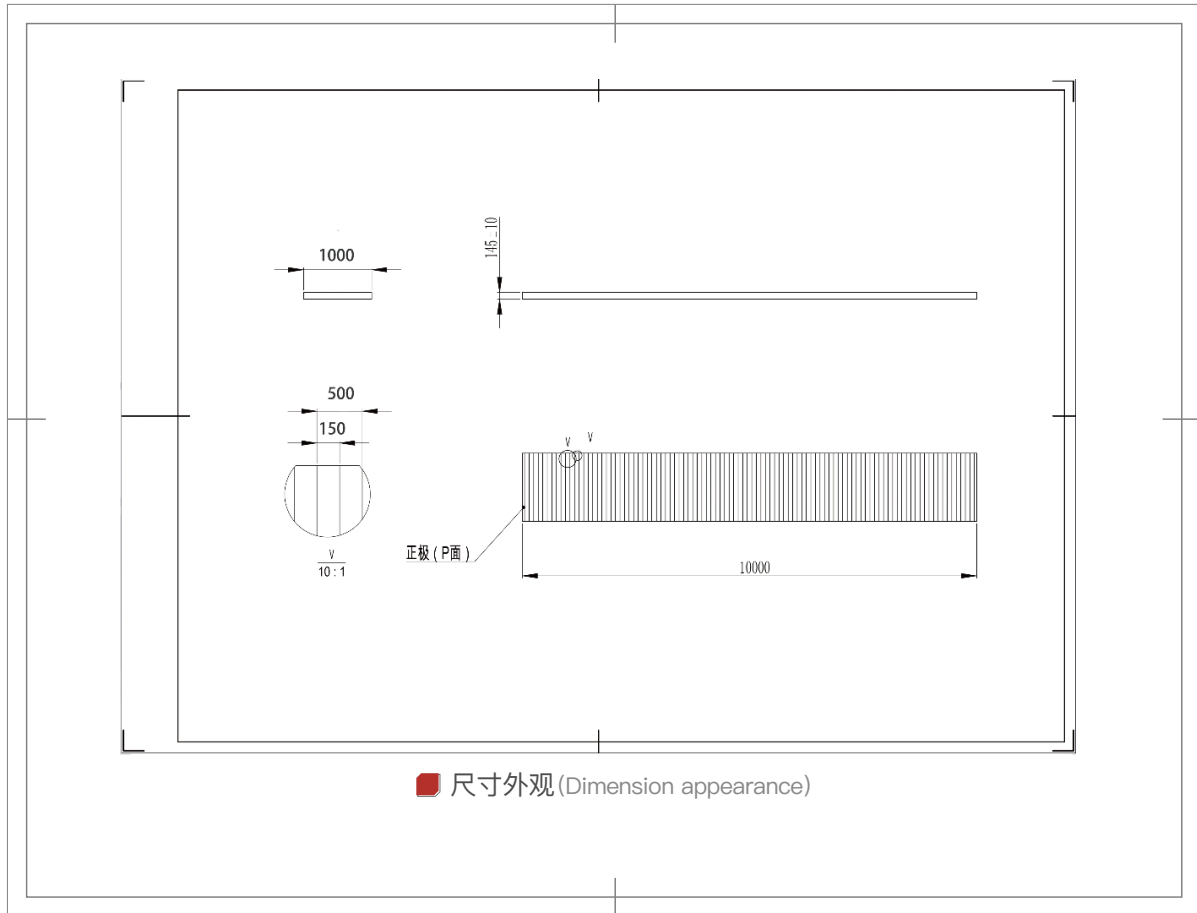
EB-BB-050-0808-10-008

	单位 Unit	最小值 Min	典型值 Typ	最大值 Max
光学性能 /Optical				
中心波长 /Center Wavelength	nm		808	
中心波长偏差 /Wavelength Tolerance	nm		±10	
输出功率 /Output Power	W	50		
快轴发散角(半高全宽)/Fast-axis Divergence	Deg		65	75
慢轴发散角(半高全宽)/Slow-axis Divergence	Deg		7.5	10
光谱宽度 /Spectral Width (FWHM)	nm		2.5	3.5
偏振 /Polarization	TM/TE		TE	
波长温度系数 /Wavelength Temperature Coefficient	nm/°C		0.28	
电学性能 /Electrical				
光电转换效率 /Power Conversion Efficiency	%		55	
斜率效率 /Slope Efficiency	W/A		1.25	
阈值电流 /Threshold Current	A		8	
工作电流 /Operating Current	A		50	52
工作电压 /Operating Voltage	V		1.8	
脉冲宽度 /Pulse Width	us		-	
脉冲频率 /Pulse frequency	Hz		-	
脉冲占空比 /Pulse duty cycle	%		-	
几何尺寸 /Geometric Size				
发光点数量 /Number of Emitters	#		19	
发光区宽度 /Emitter Width	μm		150	
发光区周期/Emitter Pitch	μm		500	
巴条填充因子 /Fill Factor	%		30	
腔长/Cavity Length	mm		1	
巴条厚度 /Bar Thickness	μm	135	145	155
巴条长度 /Bar Length	mm	9.98	10	10.02
热学性能 /Thermal				
工作温度 /Operating Temperature	°C		25	
存储温度 /Storage Temperature	°C		-40~80	
水流速度 /Flow Velocity	L/min		/	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - BB (Bare Bar)-50 (Output Power) - 0808 (Center Wavelength)- 10(Wavelength Tolerance)- 008(Structure number)
- 2.Above Data Test at 25°C, Unless otherwise stated.
- 3.Please avoid operation and storage in the condensation enviroment. If exceed operating temperature, the device lifetime will be inpacted.
4. Lifetime reduced if exceed nominal output power.

GWU-Lasertechnik Vertriebsges. mbH



产品特点 / Product Features

高可靠性
High Reliability

高效率
High Efficiency

高功率
High Power

应用领域 / Application Area

工业泵浦
Industrial Pump

激光装备
Laser Equipment

科研
R&D

生物医学
Biomedical

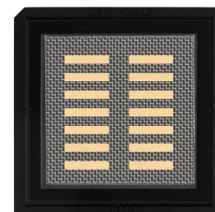


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EB-BB-060-0808-10-004

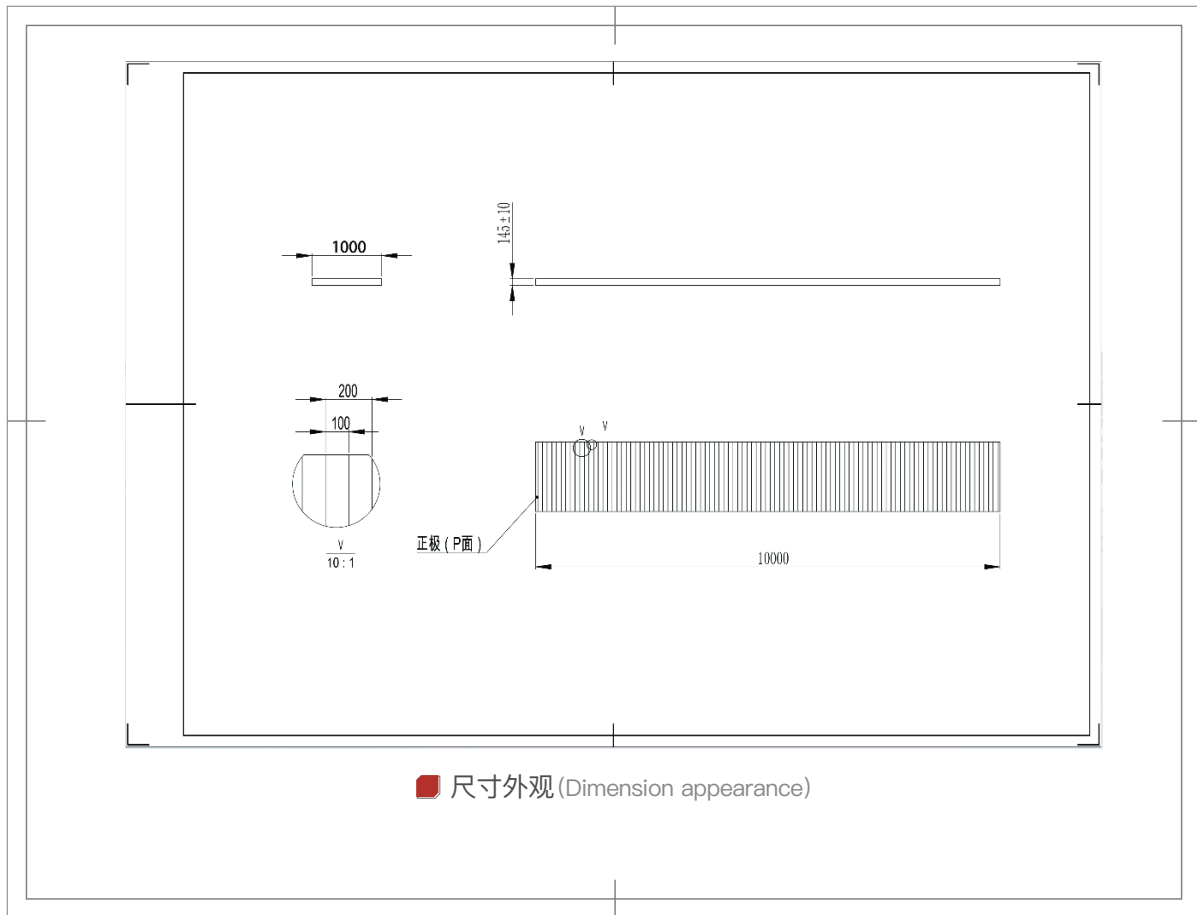


	单位 Unit	最小值 Min	典型值 Typ	最大值 Max
光学性能 /Optical				
中心波长 /Center Wavelength	nm		808	
中心波长偏差 /Wavelength Tolerance	nm		±10	
输出功率 /Output Power	W	60		
快轴发散角(半高全宽)/Fast-axis Divergence	Deg		65	75
慢轴发散角(半高全宽)/Slow-axis Divergence	Deg		8.5	10
光谱宽度 /Spectral Width (FWHM)	nm		2.5	3.5
偏振 / Polarization	TM/TE		TE	
波长温度系数 /Wavelength Temperature Coefficient	nm/°C		0.28	
电学性能 /Electrical				
光电转换效率 /Power Conversion Efficiency	%		55	
斜率效率 /Slope Efficiency	W/A		1.25	
阈值电流 /Threshold Current	A		12	
工作电流 /Operating Current	A		60	65
工作电压 /Operating Voltage	V		1.8	
脉冲宽度 /Pulse Width	us		-	
脉冲频率 /Pulse frequency	Hz		-	
脉冲占空比 /Pulse duty cycle	%		-	
几何尺寸 /Geometric Size				
发光点数量 /Number of Emitters	#		49	
发光区宽度 /Emitter Width	μm		100	
发光区周期 /Emitter Pitch	μm		200	
巴条填充因子 /Fill Factor	%		50	
腔长 /Cavity Length	mm		1	
巴条厚度 /Bar Thickness	μm	135	145	155
巴条长度 /Bar Length	mm	9.98	10	10.02
热学性能 /Thermal				
工作温度 /Operating Temperature	°C		25	
存储温度 /Storage Temperature	°C		-40~80	
水流速度 /Flow Velocity	L/min		0.25	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - BB (Bare Bar)-60 (Output Power) - 0808 (Center Wavelength)- 10(Wavelength Tolerance)- 004(Structure number)
- 2.Above Data Test at 25°C, Unless otherwise stated.
- 3.Please avoid operation and storage in the condensation enviroment. If exceed operating temperature, the device lifetime will be impacted.
4. Lifetime reduced if exceed nominal output power.

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科研
R&D

生物医学
Biomedical

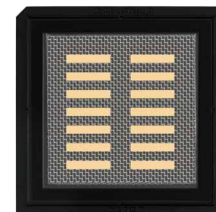


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EB-BB-100-0808-10-010

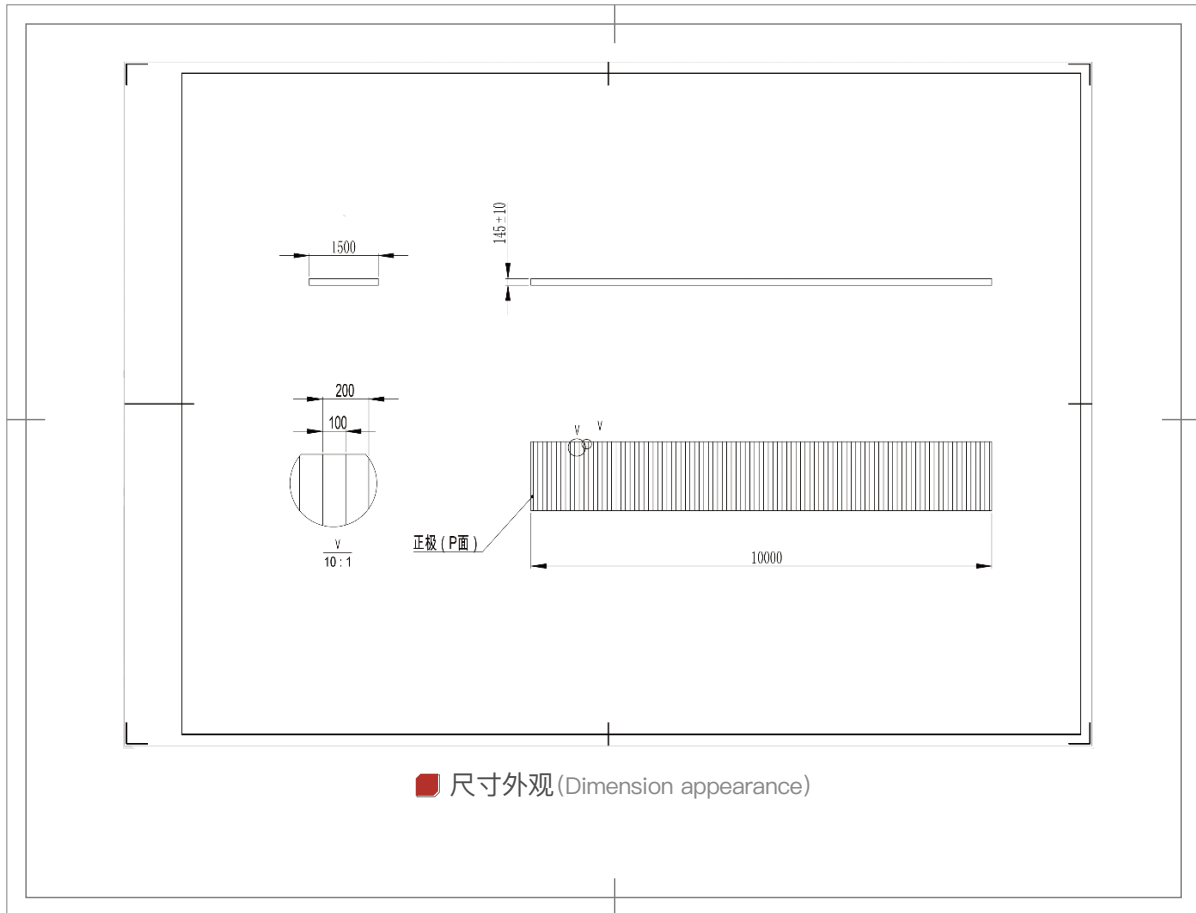


	单位 Unit	最小值 Min	典型值 Typ	最大值 Max
光学性能 /Optical				
中心波长 /Center Wavelength	nm		808	
中心波长偏差 /Wavelength Tolerance	nm		±10	
输出功率 /Output Power	W		100	
快轴发散角(半高全宽)/Fast-axis Divergence	Deg		65	75
慢轴发散角(半高全宽)/Slow-axis Divergence	Deg		8.5	10
光谱宽度 /Spectral Width (FWHM)	nm		3	4
偏振 / Polarization	TM/TE		TE	
波长温度系数 /Wavelength Temperature Coefficient	nm/°C		0.28	
电学性能 /Electrical				
光电转换效率 /Power Conversion Efficiency	%		55	
斜率效率 /Slope Efficiency	W/A		1.25	
阈值电流 /Threshold Current	A		15	
工作电流 /Operating Current	A		105	110
工作电压 /Operating Voltage	V		1.8	
脉冲宽度 /Pulse Width	us		-	
脉冲频率 /Pulse frequency	Hz		-	
脉冲占空比 /Pulse duty cycle	%		-	
几何尺寸 /Geometric Size				
发光点数量 /Number of Emitters	#		49	
发光区宽度 /Emitter Width	μm		100	
发光区周期 /Emitter Pitch	μm		200	
巴条填充因子 /Fill Factor	%		50	
腔长 /Cavity Length	mm		1.5	
巴条厚度 /Bar Thickness	μm	135	145	155
巴条长度 /Bar Length	mm	9.98	10	10.02
热学性能 /Thermal				
工作温度 /Operating Temperature	°C		25	
存储温度 /Storage Temperature	°C		-40~80	
水流速度 /Flow Velocity	L/min		0.25	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - BB (Bare Bar)-100 (Output Power) - 0808 (Center Wavelength)- 10(Wavelength Tolerance)- 010(Structure number)
- 2.Above Data Test at 25°C, Unless otherwise stated.
- 3.Please avoid operation and storage in the condensation enviroment. If exceed operating value temperature, the device lifetime will be impacted.
4. Lifetime reduced if exceed nominal output power.

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EB-BB-200-0940-05-013

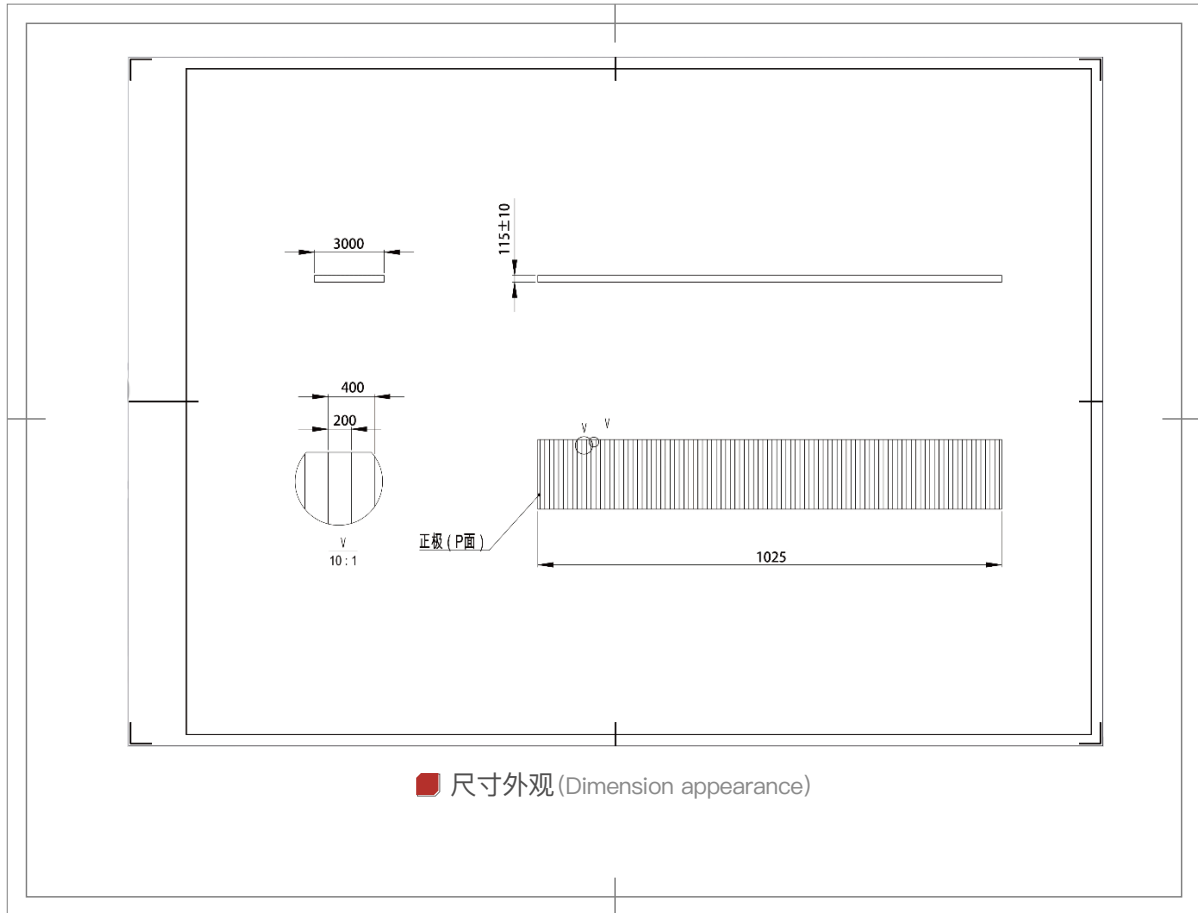


	单位 Unit	最小值 Min	典型值 Typ	最大值 Max
光学性能 /Optical				
中心波长 /Center Wavelength	nm		940	
中心波长偏差 /Wavelength Tolerance	nm		±5	
输出功率 /Output Power	W	200		
快轴发散角(半高全宽)/Fast-axis Divergence	Deg		55	60
慢轴发散角(半高全宽)/Slow-axis Divergence	Deg		8.5	10
光谱宽度 /Spectral Width (FWHM)	nm		3	3.5
偏振 / Polarization	TM/TE		TE	
波长温度系数 /Wavelength Temperature Coefficient	nm/°C		0.3	
电学性能 /Electrical				
光电转换效率 /Power Conversion Efficiency	%		63	
斜率效率 /Slope Efficiency	W/A		1.05	
阈值电流 /Threshold Current	A		25	
工作电流 /Operating Current	A		210	
工作电压 /Operating Voltage	V		1.55	
脉冲宽度 /Pulse Width	us		-	
脉冲频率 /Pulse frequency	Hz		-	
脉冲占空比 /Pulse duty cycle	%		-	
几何尺寸 /Geometric Size				
发光点数量 /Number of Emitters	#		24	
发光区宽度 /Emitter Width	μm		200	
发光区周期 /Emitter Pitch	μm		400	
巴条填充因子 /Fill Factor	%		50	
腔长/Cavity Length	mm		3	
巴条厚度 /Bar Thickness	μm	105	115	125
巴条长度 /Bar Length	mm	10.2	10.25	10.3
热学性能 /Thermal				
工作温度 /Operating Temperature	°C		20	
存储温度 /Storage Temperature	°C		-40~80	
水流速度 /Flow Velocity	L/min		0.25	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - BB (Bare Bar)-200 (Output Power) - 0940 (Center Wavelength)- 05(Wavelength Tolerance)- 013 (Structure number)
- 2.Above Data Test at 25°C, Unless otherwise stated.
- 3.Please avoid operation and storage in the condensation enviroment. If exceed operating temperature, the device lifetime will be inpacted.
4. Lifetime reduced if exceed nominal output power.

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