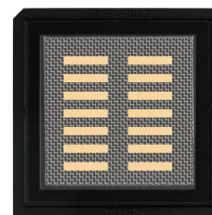


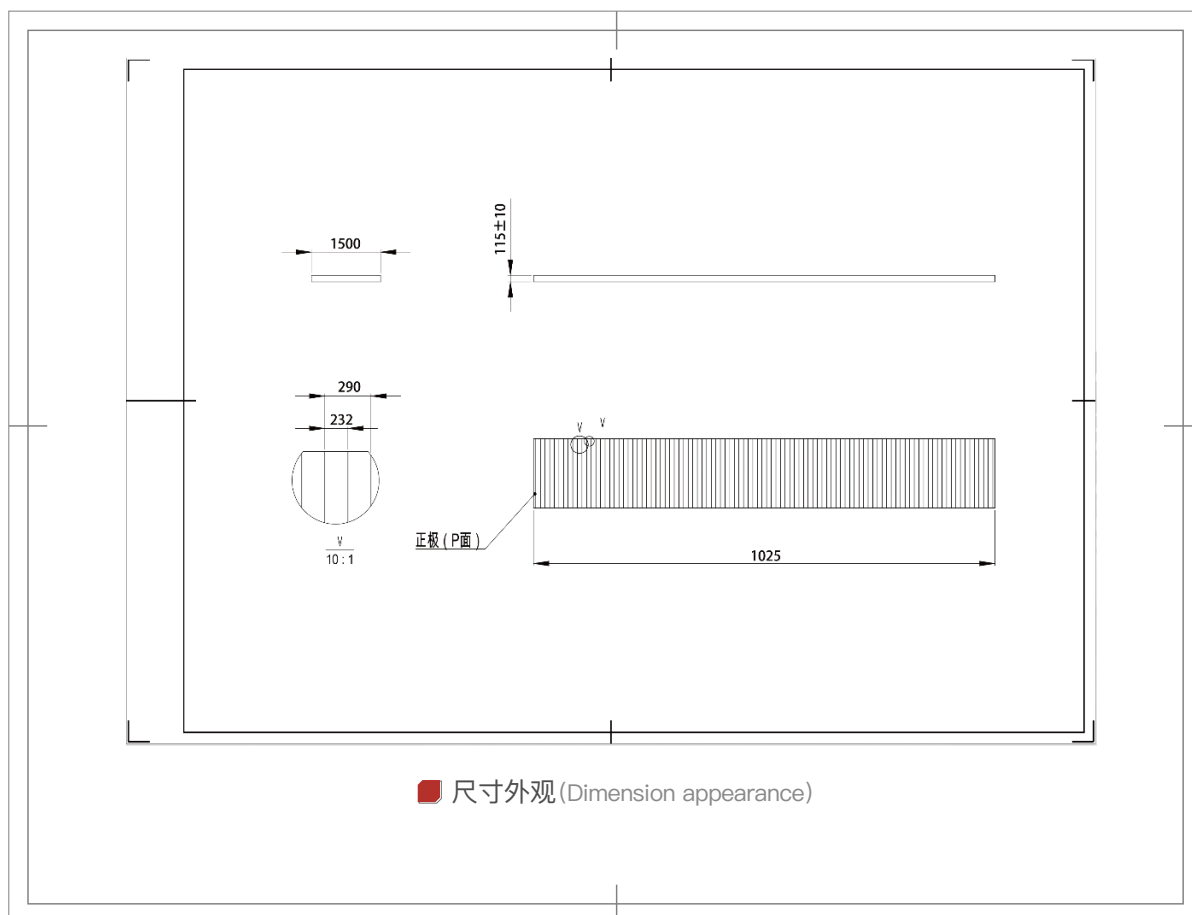
EB-BB-500Q-0808-05-012



	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		±5	
输出功率 /Output Power	W	500		
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		3.5	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	%	56	58	
斜率效率 /Slope Efficiency	W/A		1.25	
阈值电流 /Threshold Current	A		25	
工作电流 /Operating Current	A		410	430
工作电压 /Operating Voltage	V		2	
脉冲宽度 /Pulse Width	us		200	500
脉冲频率 /Pulse frequency	Hz		400	
脉冲占空比 /Pulse duty cycle	%		8	10
几何尺寸 /Geometric Size				
发光点数量 /Number of Emitters	#		34	
发光区宽度 /Emitter Width	μm		232	
发光区周期 /Emitter Pitch	μm		290	
巴条填充因子 /Fill Factor	%		80	
腔长/Cavity Length	mm		.5	
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		25	
存储温度 /Storage Temperature	°C		-40~80	
水流速度 /Flow Velocity	L/min		0.20	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - BB (Bare Bar)-500 (Output Power) - 0808 (Center Wavelength) - 05(Wavelength Tolerance) - 012(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.

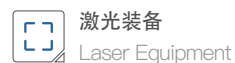


尺寸外观 (Dimension appearance)

产品特点 / Product Features



应用领域 / Application Area

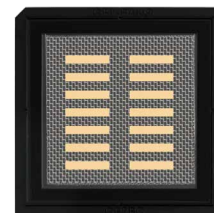


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EB-BB-700Q-0940-05-014

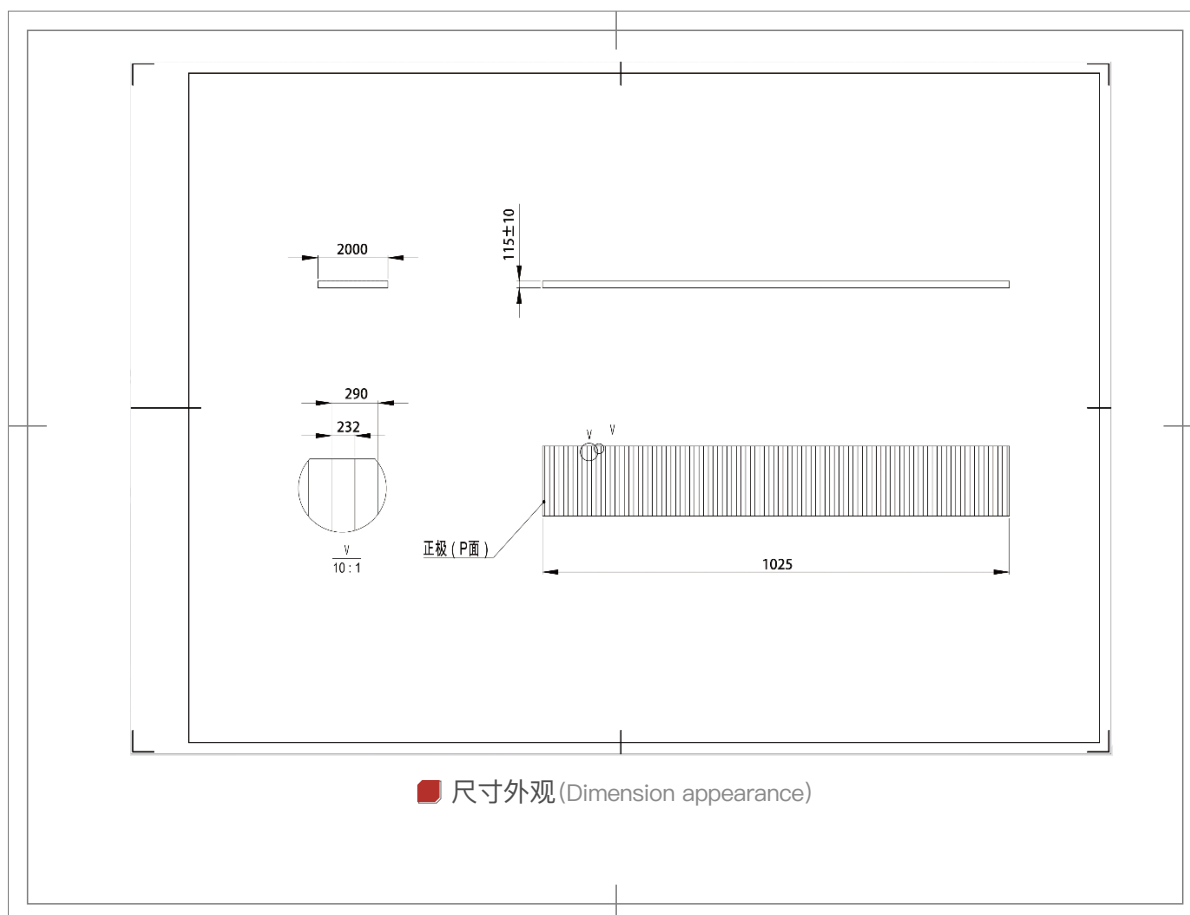


	单位 Unit	最小值 Min	典型值 Typ	最大值 Max
光学性能 /Optical				
中心波长 /Center Wavelength	nm		940	
中心波长偏差 /Wavelength Tolerance	nm		±3	
输出功率 /Output Power	W	700		
快轴发散角 (半高全宽) /Fast-axis Divergence	Deg		55	60
慢轴发散角 (半高全宽) /Slow-axis Divergence	Deg		8.5	10
光谱宽度 /Spectral Width (FWHM)	nm		5	5.5
偏振 / Polarization	TM/TE		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	%	60	63	
斜率效率 /Slope Efficiency	W/A		1.15	
阈值电流 /Threshold Current	A		25	
工作电流 /Operating Current	A		650	675
工作电压 /Operating Voltage	V		1.7	
脉冲宽度 /Pulse Width	us		200	500
脉冲频率 /Pulse frequency	Hz		400	
脉冲占空比 /Pulse duty cycle	%		8	10
几何尺寸 /Geometric Size				
发光点数量 /Number of Emitters	#		34	
发光区宽度 /Emitter Width	μm		232	
发光区周期 /Emitter Pitch	μm		290	
巴条填充因子 /Fill Factor	%		80	
腔长 /Cavity Length	mm		2	
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		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)-700 (Output Power) - 0940 (Center Wavelength)- 05(Wavelength Tolerance)- 014(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



尺寸外观 (Dimension appearance)

产品特点 / Product Features



应用领域 / Application Area



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