

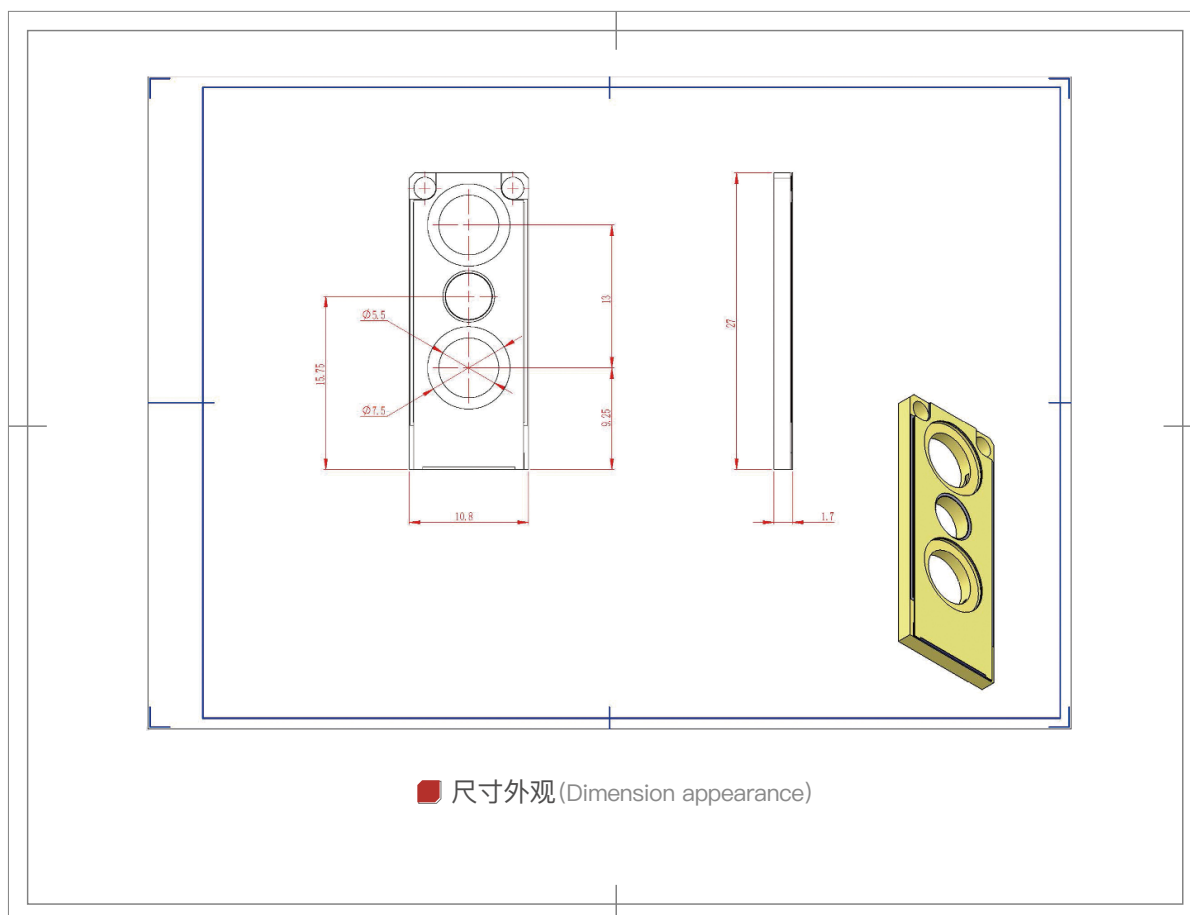
EB-MCC-050-0808-10-013



	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		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) - MCC (Micro-Channel Cooled Package)-050 (Output Power) - 0808 (Center Wavelength)- 10(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.



尺寸外观 (Dimension appearance)

产品特点 / Product Features



高可靠性
High Reliability



高效率
High Efficiency



高功率
High Power



工业泵浦
Industrial Pump



科研
R&D



激光装备
Laser Equipment



生物医学
Biomedical

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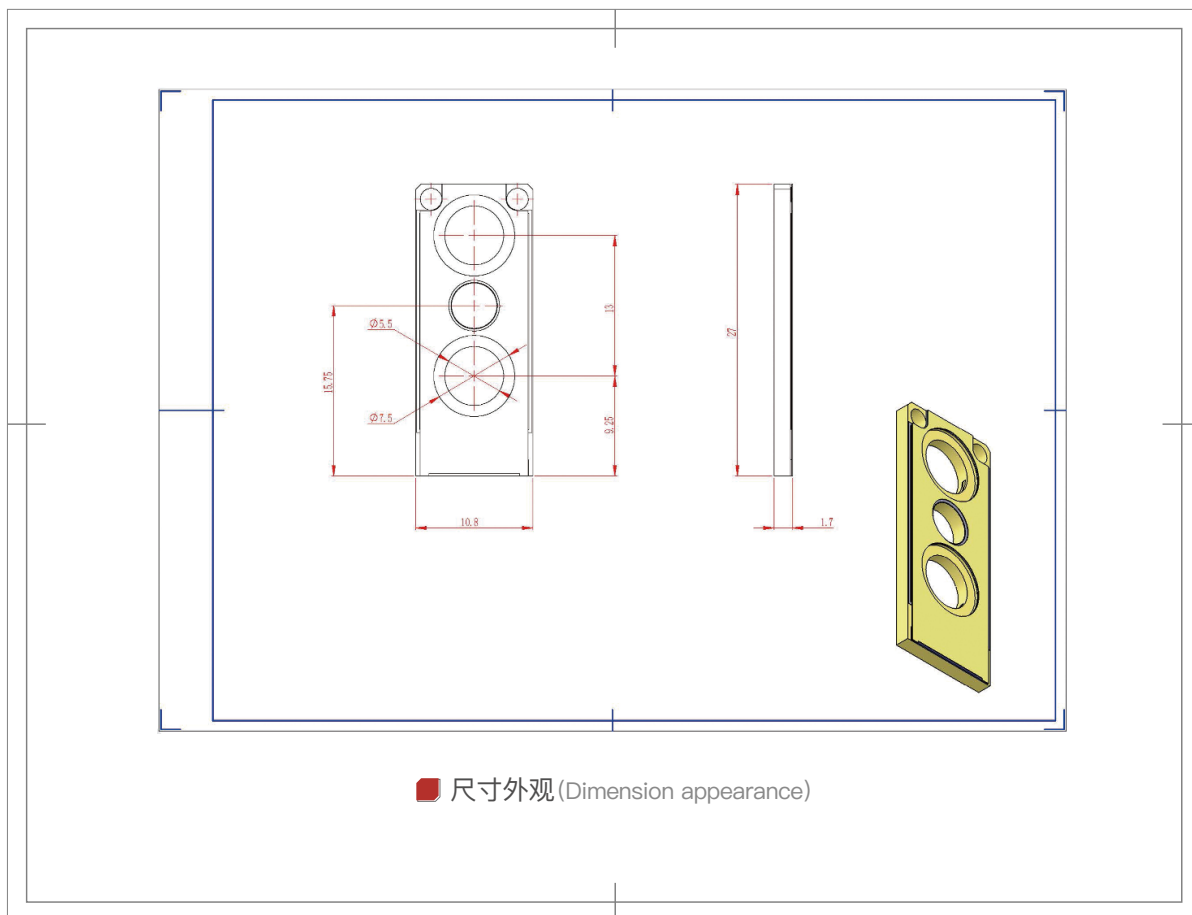
EB-MCC-060-0808-10-014



	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		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	%	50	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		/	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - MCC (Micro-Channel Cooled Package)-060 (Output Power) - 0808 (Center Wavelength)- 10(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 impacted.
4. Lifetime reduced if exceed nominal output power.



尺寸外观 (Dimension appearance)

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



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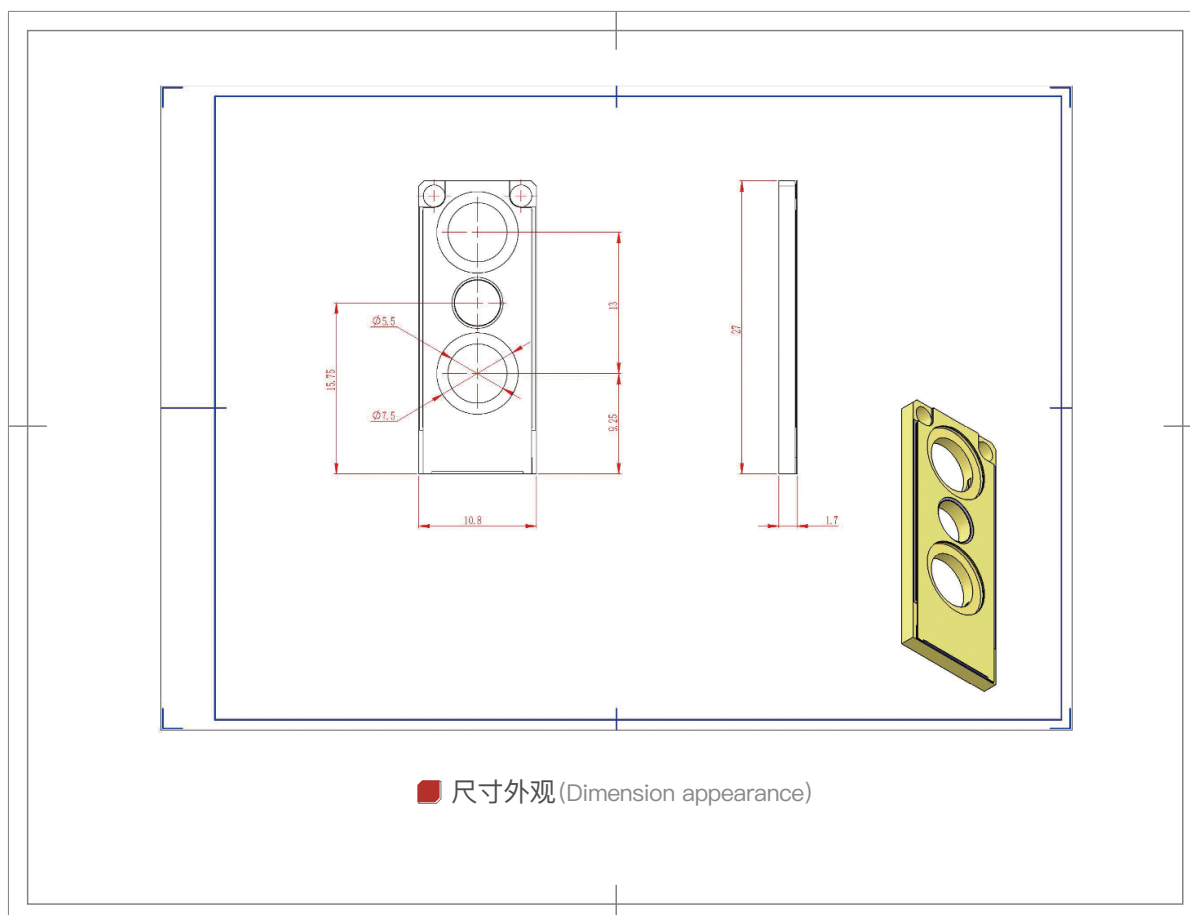
EB-MCC-100-0808-10-015



	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		/	

备注 /Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) - MCC (Micro-Channel Cooled Package)-100 (Output Power) - 0808 (Center Wavelength)- 10(Wavelength Tolerance)- 015(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)

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