

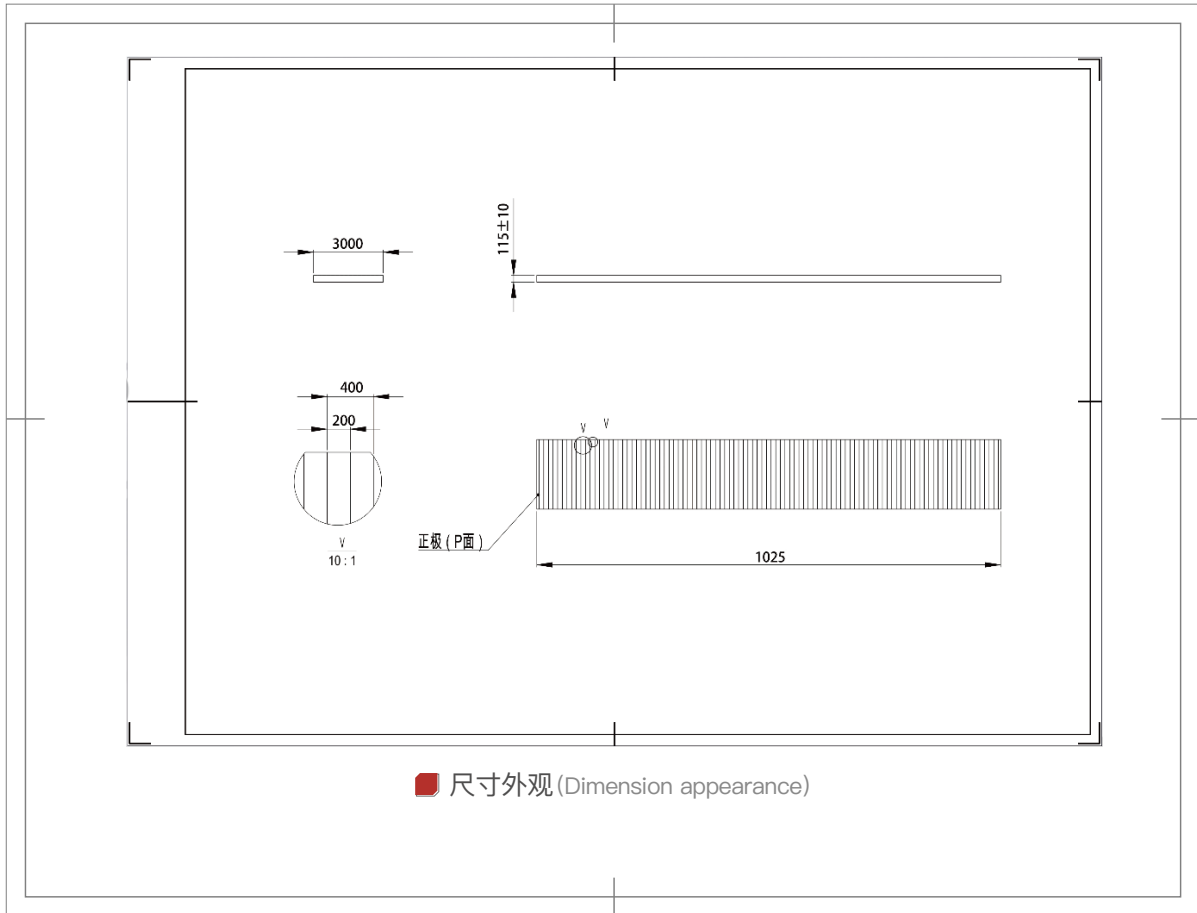
# EB-BB-200-0940-05-013



	单位 Unit	最小值 Min	典型值 Typ	最大值 Max
<b>光学性能 /Optical</b>				
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	
<b>电学性能 /Electrical</b>				
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	%		-	
<b>几何尺寸 /Geometric Size</b>				
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
<b>热学性能 /Thermal</b>				
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.



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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