

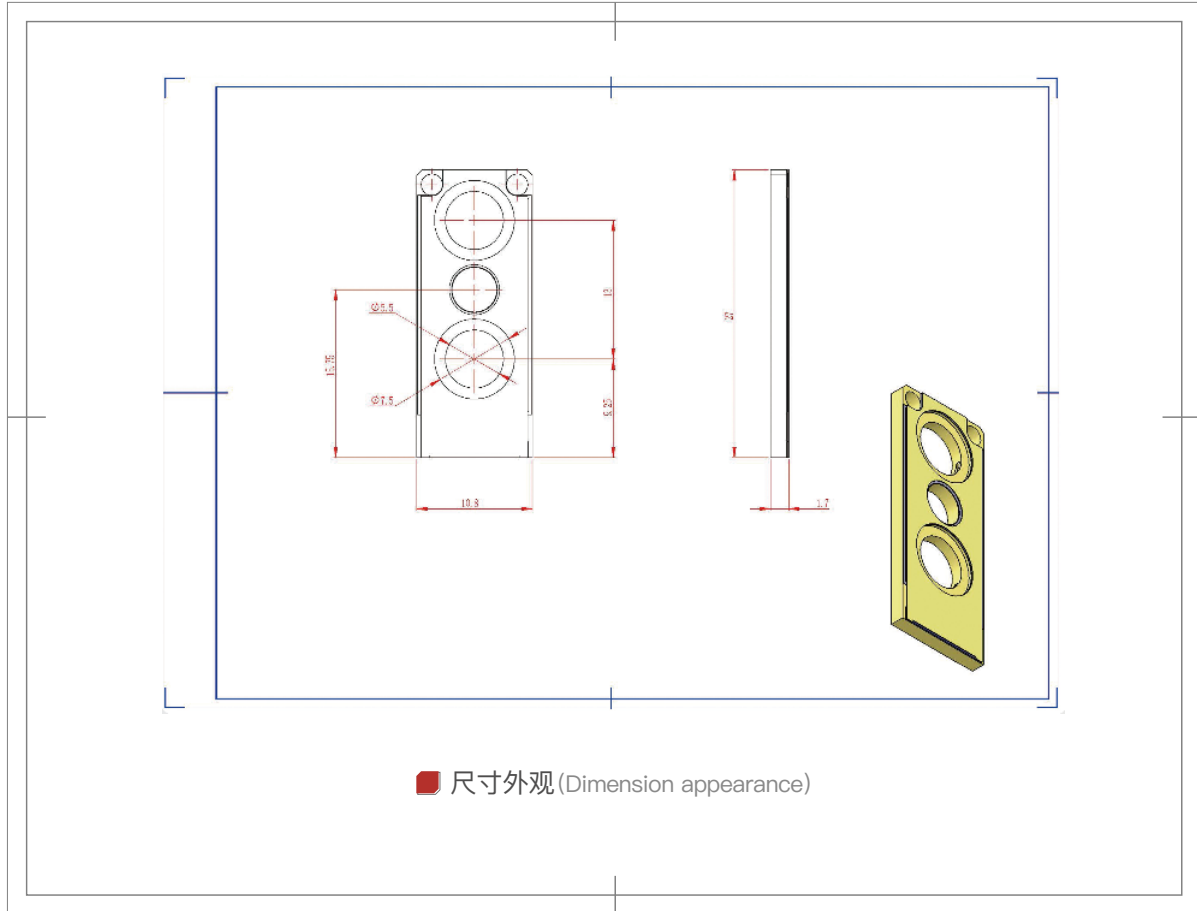
EB-MCC-700Q-0940-05-027



	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	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	
发光区间距 /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) - MCC (Micro-Channel Cooled Package)-700Q (Output Power) - 0940(Center Wavelength)- 05(Wavelength Tolerance)- 027(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 inpackted.
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

GWU-Lasertechnik Vertriebsges. mbH

Bonner Ring 9
50374 Erftstadt
Germany

Fon +49 . (0)22 35 . 9 55 22-0
Fax +49 . (0)22 35 . 9 55 22-99

info@gwu-group.de
www.gwu-group.de



苏州长光华芯光电技术股份有限公司 SUZHOU EVERBRIGHT PHOTONICS CO., LTD
江苏省苏州市高新区科技城漓江路56号 No.56, Lijiang Road, SND, Suzhou, China
www.everbrightphotonics.com Sales@everbrightphotonics.com +86-512-66896988

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