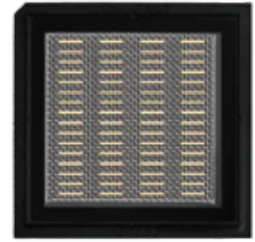
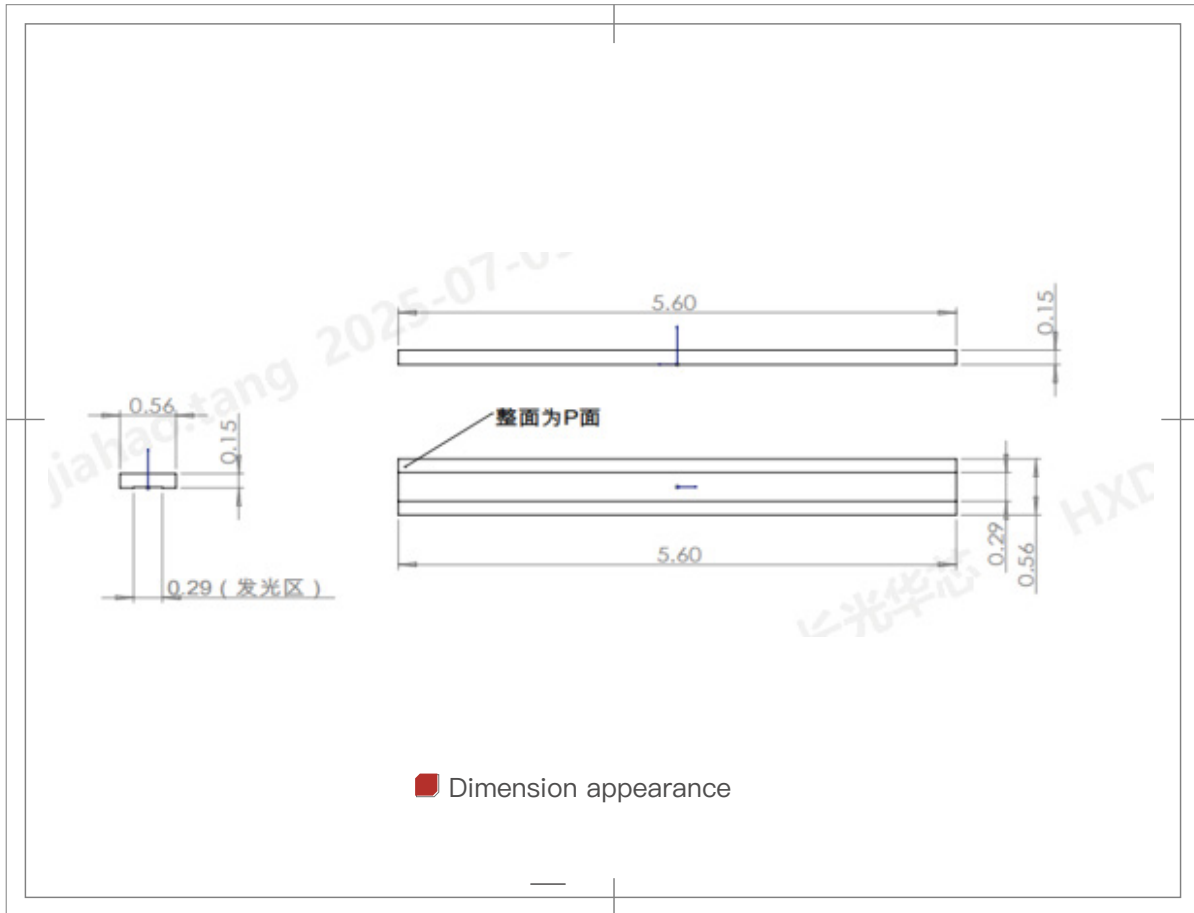


EB-BC-042-0976-03



	Unit	Min	Typ	Max
Optical				
Center Wavelength	nm	973	976	979
Wavelength Tolerance	nm		±3	
Output Power	W		42	
Operating Mode	-		CW	
Fast-axis Divergence	Deg		55	
Slow-axis Divergence	Deg		10.5	
Spectral Width (FWHM)	nm	3	4	5
Wavelength Temperature Coefficient	nm / °C		0.33	
TE Polarization	%	96	97	
Electrical				
Power Conversion Efficiency	%		62	
Slope Efficiency	W / A		1.10	
Thershold Current	A		2.0	
Operating Current	A		45	
Operating Voltage	V		1.55	1.6
Geometric Size				
Emitter Width	um		290	
Cavity Length	mm		5.6	
Width	um		450	
Thickness	um		145	
Remarks				

- 1.Explanation of Item Number: EB (Everbright In Short) – BC (Bare Chip)–42 (Output Power) – 0976 (Center Wavelength) – 10 (Wavelength Tolerance)
- 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.



Product Features



High Reliability



High Efficiency



High Power

Application Area



Industrial Pump



Laser Equipment



R&D



Biomedical



SUZHOU EVERBRIGHT PHOTONICS CO., LTD

No.56, Lijiang Road, SND, Suzhou, China

www.everbrightphotonics.com Sales@everbrightphotonics.com +86-512-66896988

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