

EB-BB-200-0940-03

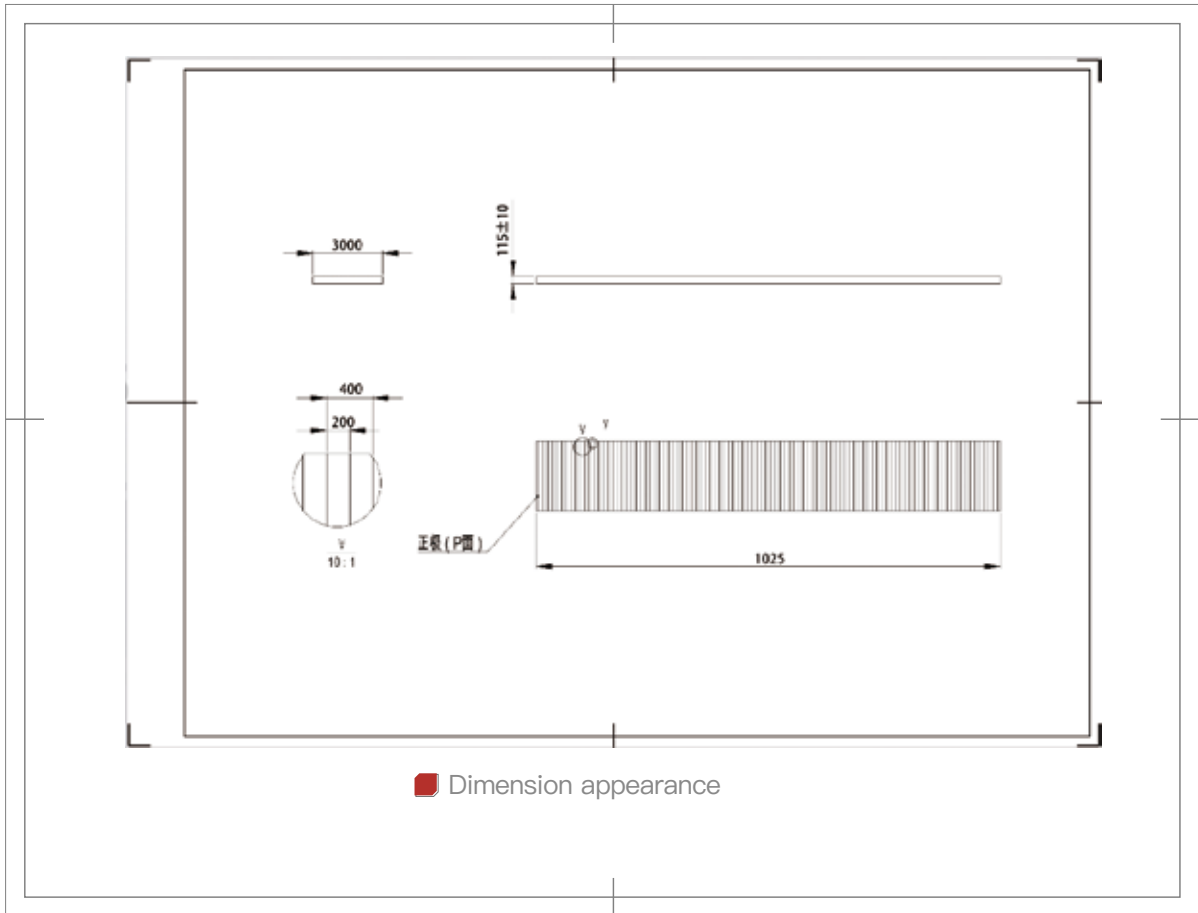
HIGH POWER DIODE BAR LASER CHIP






	Unit	Min	Typ	Max
Optical				
Center Wavelength	nm		940	
Wavelength Tolerance	nm		±3	
Output Power	W	200		
Fast-axis Divergence	Deg		55	60
Slow-axis Divergence	Deg		8	
Spectral Width (FWHM)	nm		3	3.5
Polarization	TM/TE		TE	
Wavelength Temperature Coefficient	nm/°C		0.31	
Electrical				
Power Conversion Efficiency	%		63	
Slope Efficiency	W/A		1.1	
Threshold Current	A		25	
Operating Current	A		210	
Operating Voltage	V		1.6	
Pulse Width	us		-	
Pulse frequency	Hz		-	
Pulse duty cycle	%		-	
Geometric Size				
Number of Emitters	#		24	
Emitter Width	μm		200	
Emitter Pitch	μm		400	
Fill Factor	%		50	
Cavity Length	mm		3	
Bar Thickness	μm	105	115	125
Bar Length	mm	10.2	10.25	10.3
Thermal				
Operating Temperature	°C		25	
Storage Temperature	°C		-40-80	
Flow Velocity	L/min		0.25	

Remarks





- 1.Explanation of Item Number: EB (Everbright In Short) – BB (Bare Bar) – 200 (Output Power) – 0940 (Center Wavelength) – 03 (Wavelength Tolerance)
- 2.Above Data Test at 25°C, Unless otherwise stated.
- 3.Please avoid operation and storage in the condensation environment. If exceed operating temperature, the device lifetime will be impacted.
4. Lifetime reduced if exceed nominal output power.



Product Features

-  High Reliability
-  High Efficiency
-  High Power

Application

-  Industrial Pump
-  Laser Equipment
-  R&D
-  Biomedical



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