

EB-MCP-V#-300Q-####-0808-05



	Unit	Min	Typ	Max
Optical				
Center Wavelength	nm		808	
Wavelength Tolerance	nm		±5	
Output Power	W		300	
Number of Bars	#		2 ~ 60	
Spectral Width (FWHM)	nm			5
Operating Mode	#		QCW	
Fast-axis Divergence	Deg		65	
Slow-axis Divergence	Deg		10	
Wavelength Temperature Coefficient	nm/°C		0.28	
Electrical				
Power Conversion Efficiency	%		50	
Slope Efficiency/Bar	W/A	1.1/bar		
Threshold Current	A		28	
Operating Current	A		290	
Operating Voltage/Bar	V			2/bar
Thermal				
Operating Temperature	°C		25	
Bar/Water Velocity/Bar	l/m		0.3	
Storage Temperature	°C		0~55	
Entrance Maximum Pressure	psi		55	
Water Type	-		DI Water	
Deionized Water Resistivity(DI)	kΩ·cm		200~500	
Pure Water Filter Particles	μm			20

Remarks

- 1.Explanation of Item Number: EB (Everbright In Short) – MCP (Micro-Channel Cooled Package) –V # (Number of bars per stack) – 0300 (QCW Output Power is 300W/bar) – ### (Total Output Power) – 0808 (Center Wavelength) –5 (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 life-time will be inpacted.
4. Lifetime reduced if exceed nominal output power.

Application Area



R&D



Biomedical



Industrial Pump

Product Features



Cost Effective



High Reliability



High Efficiency



Long Lifetime



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