

Fiber-coupled Semiconductor Module

EB-FCP-660-220-976-3

Optical Parameters	unit	min	typical	max
CW Output Power	W	660		
Wavelength Centroid	nm	973	976	979
Spectral Width(FWHM)	nm		4.5	5
NA within 95% Power Enclosure			0.18	
Wavelength Temperature Coefficient	nm/°C		0.32	
Feedback Isolation Wavelength	nm	1040		1200
Feedback Isolation	dB		30	
Fiber Core Diameter	um	217	220	223
Fiber Cladding Diameter		239	242	245
Fiber NA		0.2	0.22	0.24

Electrical Parameters

E-O Efficiency	%		48	
Threshold Current	A		1.4	
Operating Current	A		34	
Operating Voltage	V		42	44

Mechanical Parameters

Fiber Length	cm	160	180	
Fiber Termination			pigtail	
Cooling Temperature	°C		25	
Outline Dimensions			See Drawing	

Thermal Parameters

Lid Temp	°C			55
Fiber-Snout Temp	°C			45
Fiber Temp	°C			45
Soldering temp/time	°C/s		370/8	

1. Product Model: EB (the abbreviation of Everbright) - FCP (fiber-coupled module for pumping) -660 (output power is continuous wave power 660W) -220 (fiber core is 220μm) -976 (center wavelength is 976nm) - 3 (center wavelength tolerance is ±3nm)

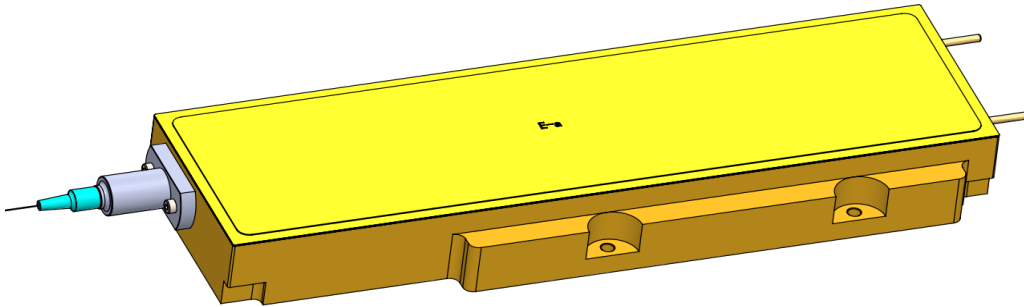
2. Wavelength-temperature coefficient refers to the wavelength drift of each degree rise in cooling plate temperature

3. The bending radius of the fiber should be greater than 300 times of the fiber cladding diameter.

4. Exceeding the normal conditions range will shorten the service life

5. For more information, please contact us.

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Features

Long Service Life
High Efficiency
High Reliability

Applications

Industry
Pumping
Scientific Research

Outline Drawing

