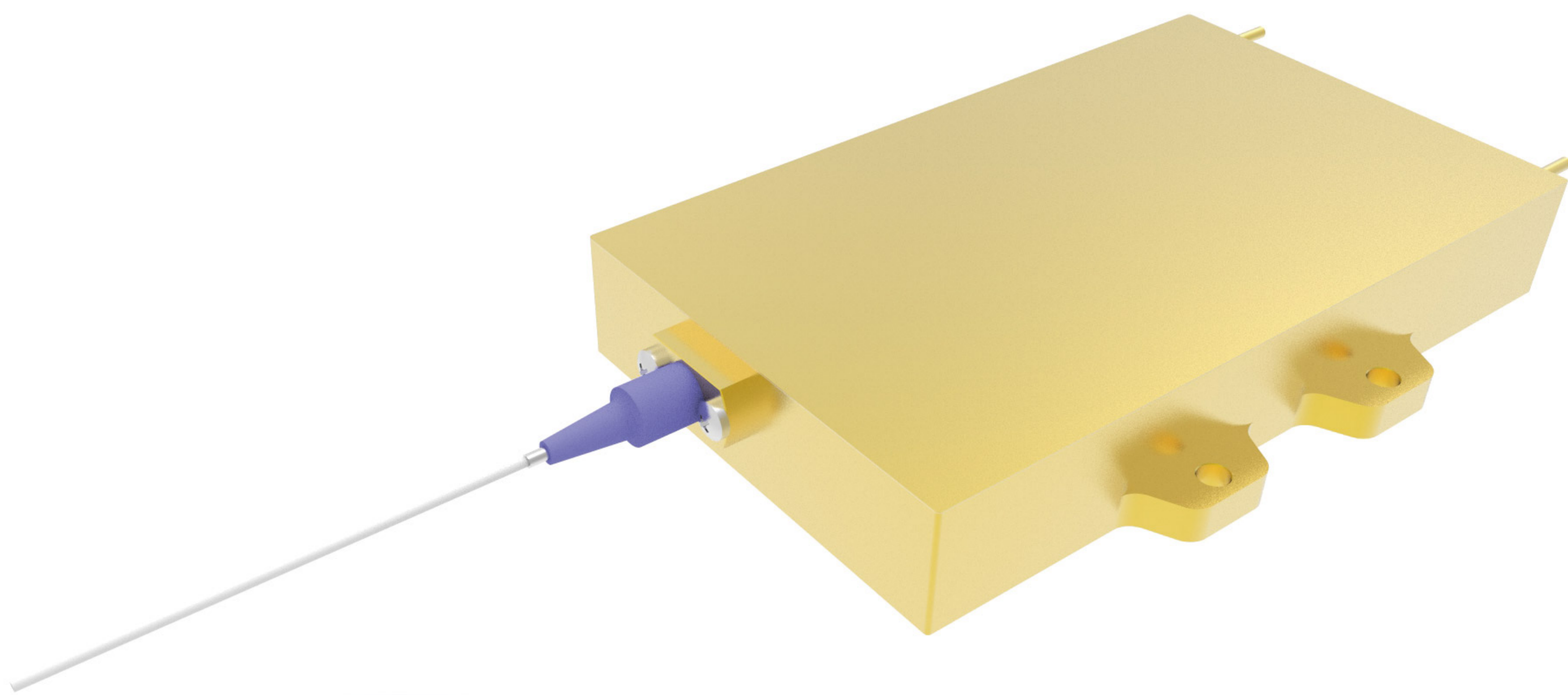


# Fiber Coupled Module – M18–V

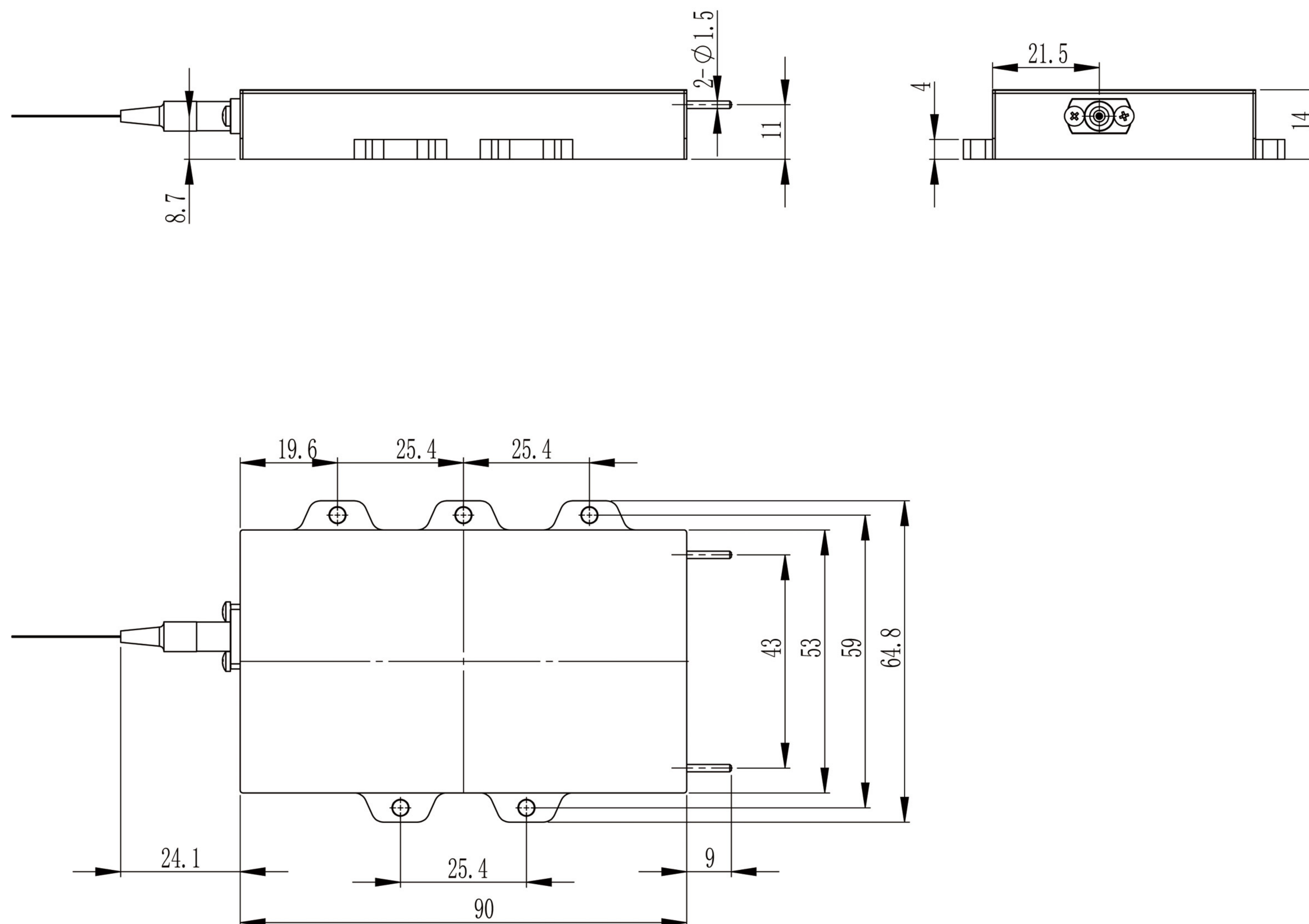


## Application

Pump  
R&D

## Features

Stabilized Wavelength  
Narrow Linewidth  
High Brightness  
Long lifetime  
Wide Wavelength Loading Range



M Serial - M18-V		Item Number <sup>1</sup> EB-FCP-M18V-130-105-0976-0.5		
Parameter	Unit	Min	Type	Max
<b>Optical<sup>2</sup></b>				
Center Wavelength	nm	975.5	976	976.5
Wavelength Tolerance	nm		±0.5	
Output Power <sup>4</sup>	W		130	
Spectral Width (FWHM)	nm		0.5	1
Numerical Aperture	NA		0.17	0.18
Fiber Core	μm		105	
Fiber Connector	-	Pigtail		
Fiber Length	m	2m (Optional)		
<b>Electrical<sup>2</sup></b>				
Power Conversion Efficiency	%	46	48	
Slope Efficiency	W / A	12	13	
Thershold Current	A		0.6	
Operating Current	A		10.5	11.5
Operating Voltage	V		26	28
<b>Thermal</b>				
Operating Temperature <sup>3</sup>	°C	15	25	35
Storage Temperature <sup>3</sup>	°C	-40		80
Wavelength Temperature Coefficient	nm / °C		0.02	0.05
<b>Others</b>				
Anti Reflection Wavelength Range	nm		1030~1200	
Reflection Efficiency	dB		30	
Soldering Temperature	°C		260 (10 sec)	
<b>Notes</b>				
1. Explanation of Item Number: EB (Everbright In Short) - FCP (Fiber Coupled Module) - M18V (Product Serial, Wavelength Stabilized) - 130 (Output Power is 130W) - 105 (Fiber Core is 105μm) - 0976 (Center Wavelength is 976nm) - 0.5 (Wavelength Tolerance is ±0.5nm)				
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.				
Version: MK09-1807A-R01				



Suzhou Everbright Photonics Co., Ltd  
 Bldg 2, No. 189, Kunshanshan Road,  
 Suzhou Science&Technology Town,  
 Suzhou New District

www.everbrightphotonics.com  
 sales@everbrightphotonics.com  
 +86-512-69372570



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