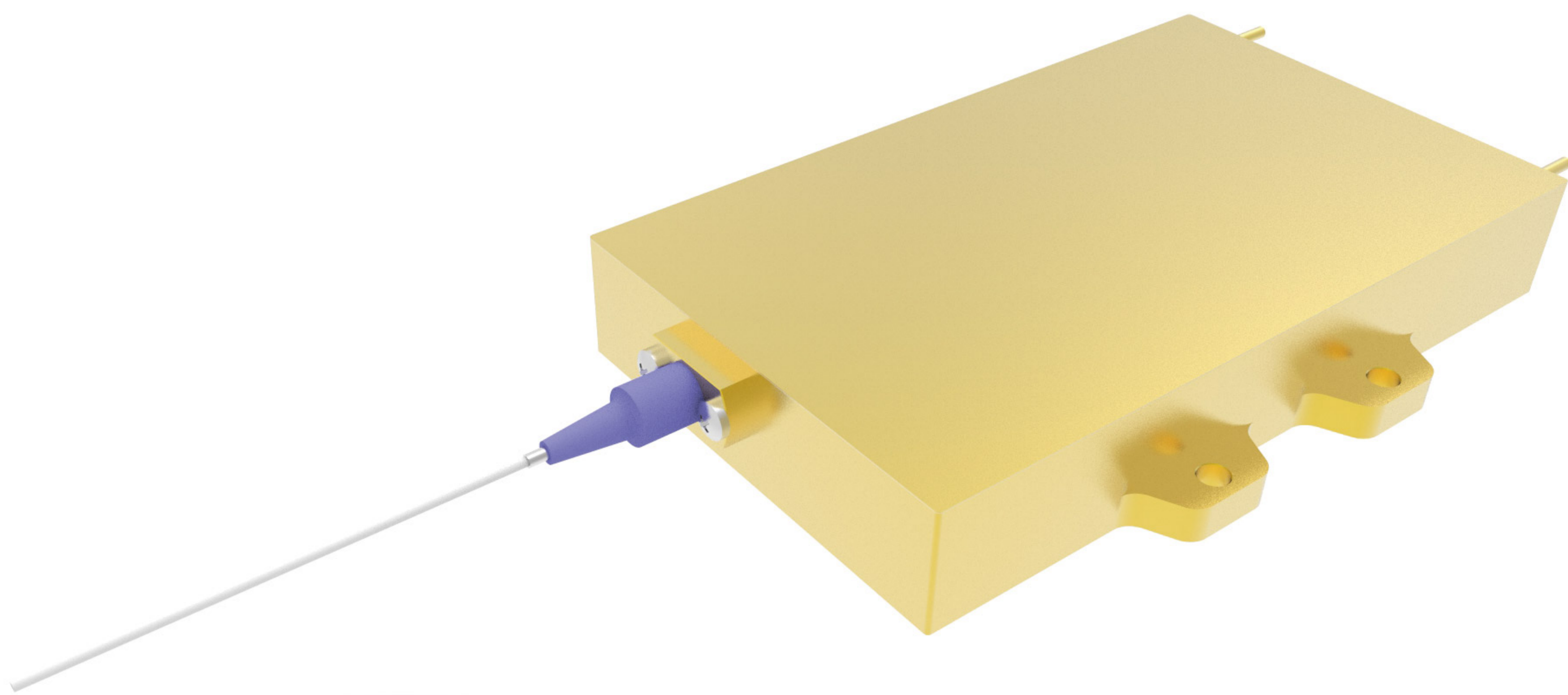


# Fiber Coupled Module – M18

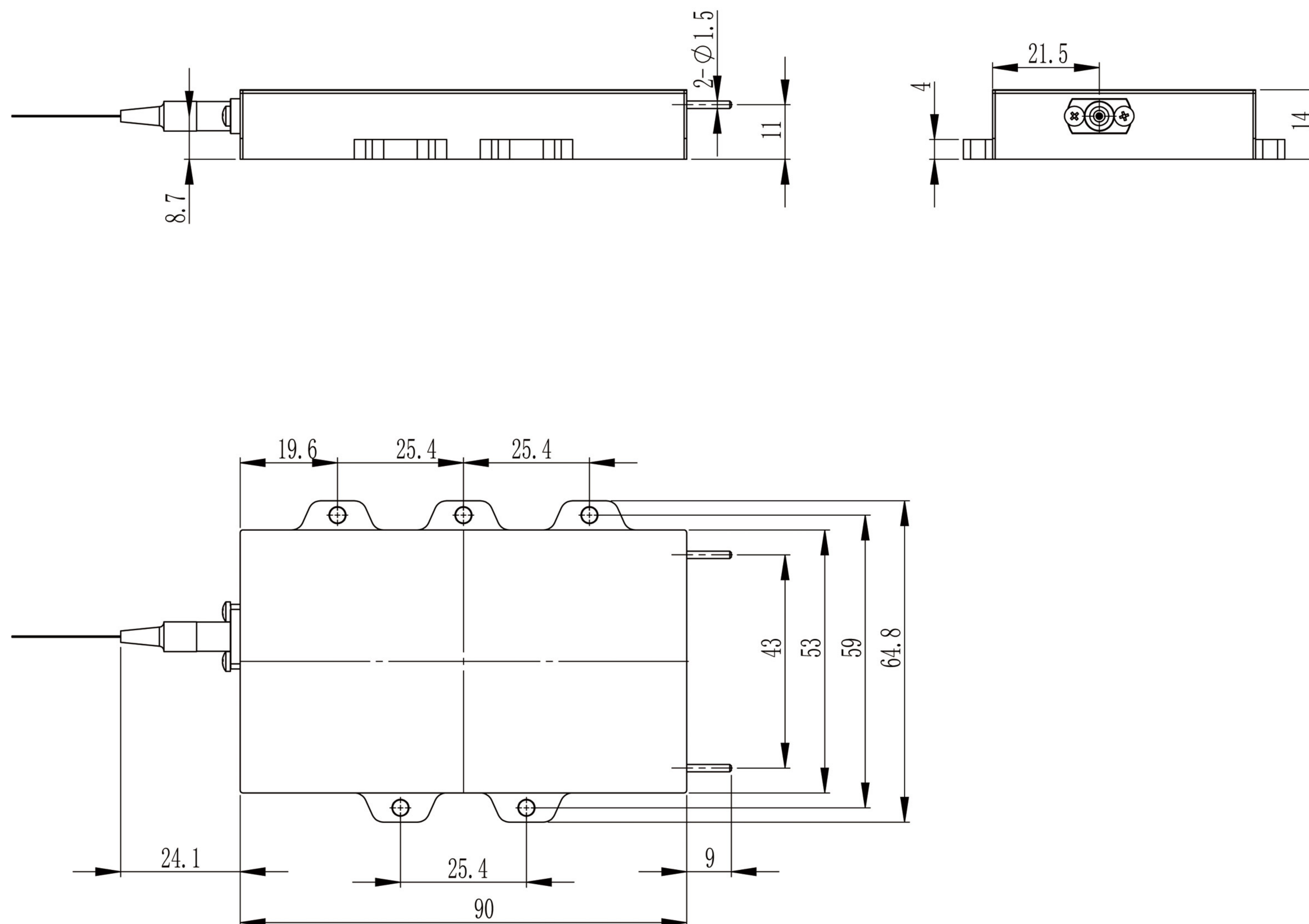


## Application

Pump  
R&D

## Features

Multi-Single Emitters  
Narrow Linewidth  
High Efficiency  
Long lifetime



M Serial - M18		Item Number <sup>1</sup> EB-FCP-M18-140-105-0976-03		
Parameter	Unit	Min	Type	Max
<b>Optical<sup>2</sup></b>				
Center Wavelength	nm	973	976	979
Wavelength Tolerance	nm		±3	
Output Power <sup>4</sup>	W		140	
Spectral Width (FWHM)	nm		4.5	5
Numerical Aperture	NA		0.17	0.18
Fiber Core	μm		105	
Fiber Connector	-	Pigtail / SMA905 (Optional)		
Fiber Length	m	1m / 2m / 3m (Optional)		
<b>Electrical<sup>2</sup></b>				
Power Conversion Efficiency	%	51	53	
Slope Efficiency	W / A	13.5	14.5	
Thershold Current	A		0.6	1
Operating Current	A		10	11
Operating Voltage	V		27	30
<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		0.35	
<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) - M18(Product Serial) - 140 (Output Power is 140W) - 105 (Fiber Core is 105μm) - 0976 (Center Wavelength is 976nm) - 03 (Wavelength Tolerance is ±3nm)				
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: MK07-1807A-R01				



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