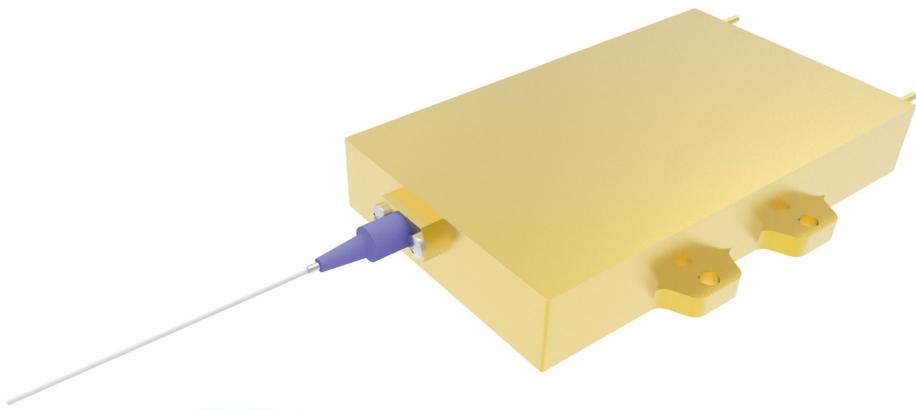


Fiber Coupled Module – M18

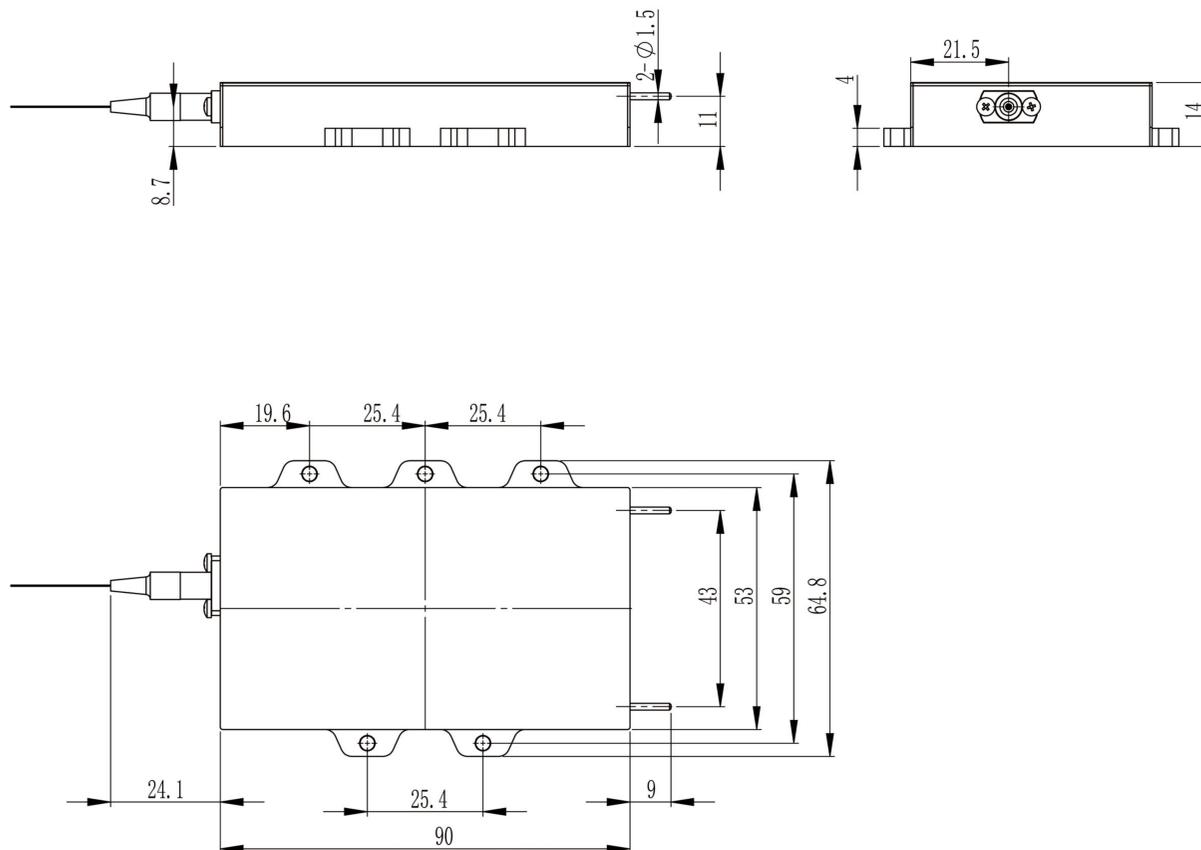


Application

Pump
R&D

Features

Multi-Single Emitters
Narrow Linewidth
High Efficiency
Long lifetime



M Serial - M18		Item Number ¹ EB-FCP-M18-180-135-0976-03		
Parameter	Unit	Min	Type	Max
Optical²				
Center Wavelength	nm	973	976	979
Wavelength Tolerance	nm		±3	
Output Power ⁴	W		180	
Spectral Width (FWHM)	nm		4.5	5
Numerical Aperture	NA		0.17	0.18
Fiber Core	μm		135	
Fiber Connector	-	Pigtail / SMA905 (Optional)		
Fiber Length	m	1m / 2m / 3m (Optional)		
Electrical²				
Power Conversion Efficiency	%	51	53	
Slope Efficiency	W / A	13	14.5	
Thershold Current	A		0.7	
Operating Current	A		14	15
Operating Voltage	V		27	28
Thermal				
Operating Temperature ³	°C	15	25	35
Storage Temperature ³	°C	-40		80
Wavelength Temperature Coefficient	nm / °C		0.35	
Others				
Anti Reflection Wavelength Range	nm		1030-1200	
Reflection Efficiency	dB		30	
Soldering Temperature	°C		260 (10 sec)	
Notes				
1. Explanation of Item Number: EB (Everbright In Short) - FCP (Fiber Coupled Module) - M18 (Product Serial) - 180 (Output Power is 180W) - 135 (Fiber Core is 135μm) - 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: MK06-1807A-R01				



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