

## 1064nm (18+1)x1 Multimode Pump and Signal Combiner

1064nm (18+1)x1 Multimode Pump and Signal Combiner is a fiber passive component which can be used in coupling input pump laser and signal seed laser with high coupling efficiency, it's widely used in fiber laser system and Fiber Amplifier System, the fiber can be customized upon request.

### Application

Fiber Laser  
Fiber Amplifier  
Quantum Optics  
Lab And Research

### Features:

High Coupling Efficiency  
High Power  
RoHs Compliant  
High Reliability



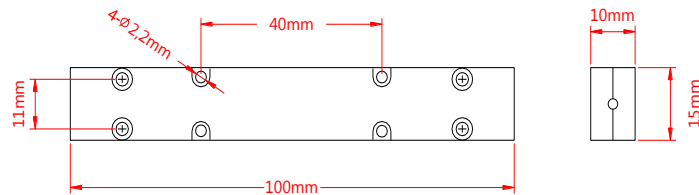
### Specification:

Parameter	Symbol	Value	Unit
Signal Operating Wavelength	$\lambda$	1000-1100	nm
Pump Operating Wavelength	$\lambda$	800-1000	nm
Pump Input Fiber		105/125 0.15NA or 0.22NA, 200/220 0.22NA	-
Signal Input Fiber		HI 1060, 5/130, 6/125, 9/125, 10/125, 20/125, 25/250, 30/250, 20/400, 25/400 SCF or DCF	-
Output Fiber		5/130, 6/125, 9/125, 10/125, 20/125, 25/250, 30/250, 20/400, 25/400 DCF	-
Max. Signal Insertion Loss		0.5	dB
Min. Pump Efficiency		90	%
Max. Optical Power Per Pump Input (CW)	P	25, 50, 100, 200 or specify	W
Min. Return Loss	RL	35	dB
Operating Humidity		5~95	%RH
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		100x15x10	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

Pump and signal combiners are default without connector, bare fiber, if special request please contact us to confirm.

### Drawing:



### Ordering Information (Part Number):

MPSC- <b>WWW</b> - <b>CCCC</b> - <b>T</b> - <b>HHH</b> - <b>FFF</b> / <b>FFF</b> - <b>FFF</b> / <b>FFF</b> - <b>FFF</b> / <b>LL</b>								
<b>WWW</b>	<b>CCCC</b>	<b>T</b>	<b>HHH</b>	<b>FFF/FFF</b>	<b>FFF/FFF</b>	<b>FFF/FFF</b>	<b>LL</b>	
Signal Wavelength	Configuration	Pump Type	Handling Power (Per Pump Input)	Input Pump Fiber Type	Input Signal Fiber Type	Output DC Fiber Type	Fiber Length	
1030 - 1030nm	1811 - (18+1)x1	F - Forward	05 - 5W	105/125 -	H1 - HI 1060	5/130 - 5/130um	05 - 0.5m	
1040 - 1040nm		B - Backward	10 - 10W	105/125um	5/130 - 5/130um	6/125 - 6/125um	08 - 0.8m	
1050 - 1050nm			25 - 25W	200/220 -	6/125 - 6/125um	9/125 - 9/125um	10 - 1.0m	
1053 - 1053nm			50 - 50W	200/220um	9/125 - 9/125um	10/125 - 10/125um	15 - 1.5m	
1060 - 1060nm			100 - 100W		10/125 - 10/125um	20/125 - 20/125um	20 - 2.0m	
1064 - 1064nm			200 - 200W		20/125 - 20/125um	30/250 - 30/250um	20/400 - 20/400um	SS - Specify
			SS - Specify		30/250 - 30/250um	20/400 - 20/400um	25/400 - 25/400um	
				20/400 - 20/400um	25/400 - 25/400um	SS/SSS - Specify		
				25/400 - 25/400um	SS/SSS - Specify			